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505

<210> 13074
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 <400> 13074

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 tgcaatgtga gccaatacct ttgcatcggg cgcttttcag ctgtttcctt ccagggttta 240
 ggccacatga aaacagtatg tgttttgacg ctgggatggc tgctatttga ttcagagcta 300
 actttcaaga atatcatggg aatgattatc gcagttgttg gcatggtaat ttacagctgg 360
 gctgtagagc ttgaaaagca gtcaaagca aagaccttac ctcacgtgaa aaacagcatg 420
 acggaagaag aaattagatc attgaagggt ggagtagaaa acagtcctct gaaggatgtt 480
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<210> 13075
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 <212> DNA
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 <400> 13075

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 ggcgccggcg gcgcccggg agggactgtg aagggtgagt gttcctcaat gcagtcaaac 180
 gggaaggcga agatgtggga ggaagagcaa cagcagcagc agcagcaaca acagcaacaa 240
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gacggaattt cccacctggc ctccgacacc gttcattacg accctacaga tctctattcc 420
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<210> 13076
 <211> 539
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220144b03a1

<400> 13076

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 atggttatga acagcacttg caagtgaatc atcttgctcc tgccttgctt tcgatacttc 180
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 ctagtttggg aggggtactca agcagcaagt tagcagagat tatgtttagt agtattctta 360
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 agaccaatgt ggcaagagat cttccgaaac ttgttcaagc tgcgtatcat ttgatccctt 480
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<210> 13077
 <211> 563
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220144b04a1

<400> 13077

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 aaggtgacct ttctttgagg gtcaccaact ggggtgcttc aattttgtcc ctggtgattc 180

ctgataagaa tggaaagttg ggtgatgttg ttcttgata tgattctgtt aaggattaca 240
gtaatgatac aacatatttt ggagctactg ttggccgggt tgctaacaga attggaggag 300
ctcagtttac tctaaatgga atctattaca aattagttgc taatgaagga aacaatactc 360
ttcatggtgg agccagagga tttagtgtg ttctttggaa agtgaaaaga tatcaaaaag 420
aagggtccaag tcccagcatt accttcagtt accatagtgc tgatggtgaa caaggattcc 480
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<210> 13078
<211> 547
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220144b05a1
<400> 13078

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aaaaatgaag aagcactgag gattgagcca cactttgctg agtggttacgg gaatatggca 180
aatgcatgga aggagaaagg aaacattgac ctgcaattc gctactactt gattgccata 240
gagctccgtc ccaattttgc tgatgcatgg tcaaactctag ctagtgcata catgcgtaaa 300
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gttgatgcc atagcaactt gggtaattct atgaaagctc aaggcttggt gcaagaattc 420
gatacagata tgaagttggt gtcttcaagc cagggtcag atgatggttg ctcttgttgt 480
aacttccatc tccaagactg caaatagtca gaatctaaca ttntttgcag gcatacagtt 540
gttacct 547

<210> 13079
<211> 552
<212> DNA
<213> Glycine max
<223> unsure at all n locations
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<400> 13079

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 atgttagtga agcagacatt ggagatcttc aggcattcta taaggcttca aaagtgaggt 180
 ttgatagtga tcctgagttt aagttgaggg cacagcaggc agttgtccgc ctccagagtg 240
 gagaaatcaa gtatcgcaag gcatggaaac aaatttgtga tgtagtagg gctgaatttg 300
 ataaagtcta tcaacgcctt ggagttcaat tggaggaaag gggagagagc ttctataatc 360
 catatattcc tggggttctg gagaaactag ataatttagg actgattgaa gagagtgatg 420
 gcgcgcgtgt gatttatgtt gaggggtgtg acataccact tattgctgtg aaaagagatg 480
 gtggatacaa ctattttaca actgatctag catcactttt gtatnctgta aatgaagaaa 540
 aaactgagtg ga 552

<210> 13080

<211> 554

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220144b07a1

<400> 13080

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 agcaatattt gcccttagca gtaacaaaat tgctgtggtc aagtattctc tgttgggttc 120
 tattctttca aaccttcttc tggttcttgg gacctctcta ttatgtggtg gcattgcaaa 180
 ccttaaagtg gaacaaaaat atgacagaag acaagcagat gtgaactcac ttatgctgtt 240
 gttgggattg ttgtgctact tgcttccaat gctgttcaaa tacagtgggtg cctcagctgc 300
 tctcactgta gacccttcac tccacttgtc aagagcttct agcattgtga tgttgattgc 360
 atatgtagtc tacattgtct ttcaactgtg gacacacagg cagttatttg aagccgaaaa 420
 tgaaggtagg gatggtgagg accgtgaaga agaacaagct gtgattggat tatggagtgg 480
 cattgcttgg ttggtaggga tgactgtgtt cattgctgtg ttgtctgaat atgtgggtga 540
 tacaattgag gatg 554

<210> 13081

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<400> 13081

<210>	13082
<211>	418
<212>	DNA
<213>	Glycine max

<400> 13082

<210>	13083
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<212>	DNA
<213>	Glycine max

6005

<400> 13083

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 aatacagggg gcacgcagat gccaatcaat ctctatctgg gtctggtaat ggcatgcta 180
 tagtcacggc ctcttggat catacagctc aggatacgag gtcggaaggt ggtagtgagc 240
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 taaacctttg ataattgattg tgatgttcaa cggctgagcg gacatttta ttgcagacaa 480
 tcagatttat gagctagcac ggaagcaaaa aaagatgtct ataagacatg agttcctgct 540
 tgtggaaccg tacaacatct gtgataacat tattgatgag gtccttgga cttgtgaaat 600
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<210> 13084

<211> 145

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220144b10d1

<400> 13084

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 tatgttgatc agatgatgct ccag 145

<210> 13085

<211> 633

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220144b11a1

<400> 13085

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aatgattggg gaccgtagac aactacctat ttggcctaaa cgccttatct ggtctggata 180
 tgaccatacg aggcattttt tcattttcat caacatgggt ttatatctgg tgtgtcattg 240
 atatatgtaa gaaatcttga cctgcatgtg cacttgcaca cacattaaat cttaggatct 300
 aagaaaccaa agtctggcta agtatataat gtagacagga aatccttaga atagaggtgc 360
 atactatccc agctttcttt cacaagcaga atgatggata tgttggtttg gaagtttacc 420
 ttcttgaact accttgtctg ctagegttct ctagtgtttt gattccgcac acatgggttg 480
 cttaaacatt gtttgctctc atttgattat tggtttcttg gatataagag atactaacna 540
 tgcaggttgt tgtaaccatt tggatatgtg caccttgagt gcttcttgga gcanaacatt 600
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<210> 13086
 <211> 539
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220144b11d1

 <400> 13086

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 tttttttttt ttgggggttg gttacaaaaa caaaggggcc tttttttcat ttaataaaaa 180
 aaagccccct tttgaaaacc ttatgggata tcaacctttg ggtttcctgc ctttgaatct 240
 gcccagatc ttttaatactc actggcatgg ctltgggtgta ctcacgatat ccatttgttt 300
 caaggaactt aaccctttta tccctttatt cccctttatg gggttcattgg tgttccacca 360
 tacatttggc ttttttgcac taaaattcca gagaagaatg cccctttttt ttgtttggaa 420
 taaagtgagg ctttcaagtt ttgaaggga acccttccca aaaatgtccc gcaggagtgc 480
 agggcctgaa gttttgacct caaaactctc ttcccttatg ctttcttcca acagaaacc 539

<210> 13087
 <211> 511
 <212> DNA
 <213> Glycine max

SECRET

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caagaaattg	caaaggaggc	attgaccata	gtgcctgagc	gttatgttcg	accagttcat	180
gaacgtccta	tattatctaa	ctctacacct	ttacctgaaa	ttcctgtcat	tgacttgagc	240
aaattgttgt	ctcaagacca	caaggagcat	gaactcgaca	ggcttcacta	tgcatgcaaa	300
agaatggggt	ttctttcagc	taattaatac	nggagtggac	tcttcattgg	tggaaaaagt	360
gaagagaggt	gctcaaggga	ttattcgatc	ttccaatgga	agagaagaaa	aagtttgggc	420
agagagaaaag	agaagctgca	gggtatggtc	aaccttccgt	ggtttcagag	gacaagaatt	480
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<223>      Clone ID: jC-gmfl02220144b12d1
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aaaggcctta	ttctcatctt	ggatgtacta	ttttacaatg	atttaaatgga	tagataactca	180
acttacacaa	aaagttgtga	atagttttgt	tcaaatacct	ctaaaagtct	ccaatgttta	240
atgatcaagc	aattggaaga	gattgaaccg	gaatccacat	tccatcttaa	taatttgtat	300
aataattatc	tttattaatg	atttattaac	tttgtttaaa	agcctctcat	ttttggacat	360
ggcctcaatt	tactcataca	atagctgttg	gaatgacatg	cttcaactgca	aaagtaaagt	420
cattgccaaa	tacagaagcc	tgtgtgcgac	attaaaattt	aatgttttcc	atccattttt	480
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cg						542

<210> 13089
<211> 514
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220144c01a1

<400> 13089

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tttgttgctg ctcttgctgg gattctcttc tcaacccaac attgtgcttc ccaaaaagtt 180
ccaaactaca catttatgca caatgcaacg acagcaccag acgtatcata ctacgactac 240
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<210> 13090
<211> 560
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220144c02a1

<400> 13090

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gttgatatttg gaaaactcta tgcttaactt cttttatgca ttatatgatg atactttggg 360
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<210> 13093
 <211> 578
 <212> DNA
 <213> Glycine max
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 <400> 13093

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 cgatagcgtc gcagcaaccc tcaactcgctt cctgggtccc ctctccaag aagcagaact 240
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<210> 13094
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220144c06a1
 <400> 13094

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ggaaggtatc agagaactgt gtggcacata tgcaatctgt tgggacttac agtgatgagg 300
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 agacaatacc agaacatgag catgcagtga tagacaacaa gccactttcg gaggcagtgc 480
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<210> 13095
 <211> 505
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220144c08a1
 <400> 13095

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 atctgtgcct tgcaccatgg aaaaattgaa ttagcttaat ttcactgaat ttatgcatga 180
 ttaacgggaa tctaattgtg attctttttt atggccagat ttcgtttgaa attttgtttg 240
 ttttattttg ttctgttttt ggtttgcttg attggcttta atttattgag atgtaaaaaa 300
 agtggtcaca aggaagaggc aattcagcta cgtgtacgga ggaattcatt cttggatatt 360
 tatgattaaa aataaatttt ggattttgta ctgctatgac agagatttgc atgttttagc 420
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 cttggatagg aataggttat tagtg 505

<210> 13096
 <211> 376
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220144c10d1
 <400> 13096

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 tctctcttcc tgggcgatct ctcccaaaaa ttttcccatg acctagtatg aatatcattc 120

cccggatttg aattaagttt ttccacccta cccaaccccc atgctgttca acacgcgagt 180
 tgctaattgac atcttttcttg catacccaca ccgttacgtt tcagaacaga cactgaaatg 240
 gctcacttgc actcaaaatg atcctattgt attaccgttc ataaacatct tggctgaaca 300
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<210> 13097
 <211> 630
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220144c11a1

<400> 13097

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 ttncnattat catctcccta ttttgatttt tattttttatt ttttcatata ccaaaaagagt 180
 gaagttttct cacgaggttg atctttcccc aattcgtacc accttttttt ttcggttcat 240
 cgtttcattg gctctttttt tttttttttg ttggcttttt gagaaaggag aaccaaaca 300
 cttgcaagtg aagtctcttag ttaaaagaaa ttatttgggt caggaaaaaa aaagctaaaa 360
 atggggtcga agtggatgtg gttgatatta cactttgcat cggtttttgg gtttgtttgg 420
 ggagatagaa caattttgaa ggtggaaggg cctatgttgt tggataattc acagagatat 480
 gaaggcagtt tcattagcaa agcagtgaac ttcttatggc aaccagnnga atcaggttat 540
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<210> 13098
 <211> 614
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220144c11d1

<400> 13098

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 nnnnnnnnnn nnnngggggn ngtttatgtt catattatac ctnttaacaa gagcccaggc 180
 acacacagag cacaagtgag tgtttgaaat agtgtccac aatttaacat ttttttcctt 240
 acagaaaacc cagataaata catagaagca tgtatgcatt gctttcaagt ccactgtttt 300
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 tatgtgcaga ggtcatcaaa tcccatatac tcgtgatttt caatcttttt gaccattgct 480
 acaatgccaa ctccacctag tgagactgcy ctgacaagta ttgtgaaggc tagaaciaag 540
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<210> 13099
 <211> 523
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220144c12a1
 <400> 13099

aaacactgtc gtttcgtggg tcagaaatct tttccacgat tgcgtgggta agtcatgcga 60
 tgcattatta ctgttagcga cggtagcga tgtagtgtcg gagcagacat cggatagaag 120
 ttttgggatg agaaacttca agtccgtaaa cactatcaaa gcagcgggtg agaaagaatg 180
 ccccttcaca gtgtcatgcy ctgacattgt tgctctttct gccagagatg ccattgcttt 240
 gttgggagga ccaagcattg aatgaagaca gggagaaagg acagcacaga aagctatgca 300
 atggaggtgg aagacttgat tccaaaccac aatgattgca tgcctcagc gctgtctcgt 360
 tttcaagcca ttgtcattga cgttgaagcc acagtcgctc ttttaggagc tcactcagtg 420
 ggaagagttc actgcaagaa tctggtgcac agattatacc ccaccataga ttcaacactg 480
 gaccctgcac atgctgagta cctaagacgt ccgtgcccac cac 523

<210> 13100
 <211> 514

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220144c12d1

 <400> 13100

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gccagnaatg gatagctcat gcaacncnga ttaatatngg gncnnncnnn nnnnnnnnnn 60
nngnnnnnnn nnnnnnnnnn nnnntttttt ttrnnnnnnn nnnnnnnnnn nnnnnngggg 120
gggggagtn cttataaacc tttaatatga ctgaggcttt gtaagctgaa gtcaagtaac 180
attcacatct atgaacaacg ccaacctcaa gggtttttat atacgatagg cccaatagct 240
ttctgcactg aatatgtatg gttacccaag cccaattcgt ttcacaccct ctttattttg 300
acacactcct gcattataat cttatgctaa ttatacatat tattatgcac aactgcacgc 360
ttatctcata tatctaattg gcattgaggt ggctacaatc ctttctgatt tgccttcat 420
ctactgcaa aggatgtgac tccgataaca aaataacggc ccttgagaac tgctggttga 480
aatattcatt gtcattgcgc catcttttgg acat 514
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<210> 13101
 <211> 594
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220144d01a1

 <400> 13101

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gtttgcttat gtatttatca tgttctttcc atattaatat atgcaggttg atatttgtac 60
ctcattacca attgtcaata ataagtgcta tgcattatca aatgtcagat gtttaccxaa 120
actctgttac atactgtgca tttgtgttta atattttaaa gttctctctc tcttccctgt 180
tatcttgtct agagtgaat aatggaattt tgatttatat gaagaaaagg aaagaaaggg 240
ggctatgagt aagtaacaaa tagttaattt accgagtttc aacagggtga ccttttgggt 300
catacaaag aagtaaagct gaaggactgg cagagaacta aaattgaaat gatgcaaaaa 360
gctaaagcta ataaggaatt tgaggcaaaa gaatcacatg gggatcctca aatatcttca 420
agggggagtt cacctgattc ctcacttggg acaaaaagta gtggactgga aatagactca 480
aaccagaata agtcaattat ggatcacggg tttgaaattt attctagtgc tgaaagtaat 540
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[illegible]

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<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220144d02a1
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gcctcaagtt	agtaaccctt	cctctctttt	tcttcttatt	ctgtttcaaa	aaccattttt	60
tattattttc	cggatggcgt	ccggtactgt	gaaaccttct	tctcgggtacc	gttcctacga	120
ttcacgctcc	tccacttctt	ctcattttct	cgaccttcc	tcctcccatg	aattcaacaa	180
tctcaaaacc	aaaacctctt	cttcttcttc	tcgcgctctc	gtcaaggcca	aacctcaaa	240
caccgccaag	gtggacccca	ccttcaccac	catgggtcaag	aagttcatgg	acaggaaacc	300
caaatcctcc	tcctcggccg	ccgccaccgc	caccagggtg	attattccct	ccgattttct	360
cgcgaaggat	ttgaagaagg	acgcgaagaa	agtggcgggg	ttctccgcgc	tgcagaagaa	420
gctcttcgga	aagggcgctt	ccgagaagaa	ggagaagggtg	aaggccttga	ccgagggtgaa	480
gaacaacacc	aggacattgg	ccatgggtgct	cangagcgag	agggagcttc	tcagcatcaa	540
caaagagcag	gagcagc					557

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<223>      Clone ID: jC-gmfl02220144d03a1
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ctctcttcag	catccaagaa	gaggcttttg	taagaaacgt	gctgcggatg	ctacgtgagg	60
agtttgagct	aaccatggcc	ttgagtgggt	gcacctcact	caaggatatc	actcgtgatc	120
acattgtcac	tgattgggac	caacctcgca	ttcttccccg	cgcattgcc	agattatgaa	180
aaatttgctc	ctcatttgag	cccttggaga	aaaatgat	acgtatcact	agtgagcatg	240
tagaaaacta	tagtggatga	acatcacaa	taccacagga	gtgagacaca	cgtgggttaga	300
aatggattca	agtgatgttg	cacctcttt	accaaagcat	actgctgtga	acatatctgc	360

aatgacgctc atgatgaatg ctgttgcac

389

<210> 13104
<211> 480
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220144d05a1

<400> 13104

tcttcccaac cactactact cactctcttc agatctcaat tgcacgctg tccatggcta 60
ccatcgtttag catcaaggcc cgccagatct tcgacagtcg tggcaatcca actgtcgagg 120
tggatttgac ttgctccgat ggtacttttg ccagagctgc tgttccaagt ggtgcatgca 180
ctgggattta tgaggccctt gaattgagag atggaggatc tgactacctt ggaaaggggtg 240
tgtcagaggc tgttgacaat gtgaacaccg tcattggccc tgctttgatc ggcaaggacc 300
caactgagca gactgctatt gacaacttaa tggttcaaca gcttgatgga actgctaacg 360
aatgggggttg gtgcaagcat aagctaggag cacatgccat attggcagtg tctcttgag 420
tctgcaaagc tgggtgctagc gtcctgaaaa ttcctctata caagcatatt gctgatatcg 480

<210> 13105
<211> 344
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220144d06a1

<400> 13105

atttccttgg cggtgcaagg gtgtttgttt tgaacataca agaataattg gccatggcta 60
ccgtaattag cgtctatgtg gaacacatgg tcgtgtgatc actcgctgcc actgggaagg 120
gggagagggc ttgctacttg gtccactccc tcagactctt acagagatat catcacatgc 180
ccctttgtga atgtagccct agggtaaaaa gatagaacat cggacggccg tgaatacggc 240
gggtaggtat ctgagaactg tgtggcccat atgctatccg ctgggactta cagcgatgac 300
gcggctgaag ctactgaggt agtcagctat gcggctcagg atca 344

<210> 13106
<211> 583

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<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220144d07a1

<400>      13106

caaagatttg taagaaaaaa actgttttca actttctttt tttctctgta caagtatgtg      60
gattttccat tatttggtacc aatgggggta ttggagtgcc ccagttaaac ctatactgaa      120
gaagtatctg agatttcggtt ttctgggcta ctttctgaat taactaagct ttctgacacc      180
aaatagatga agtagtttgt tgattctaag attgttctat ggatttaaaa tatttcatct      240
tctctgtgaaa caatactact actactacta ctactaatct tgcgatttat gtgtgtatct      300
tagattcttt ttacataagt gtgcataaat atcttactat cttctctata tttcattcat      360
gttttttttaa tccgcatttc tttcaattca agattccagt atggatagtt tttgttcctc      420
tctagcagag gtgttctccc caagagtttt taaaaacaat ttctataagc cagaaaactc      480
tattaaaaca aaacaatatt aaagggtgtcg tttcgctagt tcattcatat ttcaaggttc      540
ttccccgtct tttttattct tatgtaaata aaaatcaaac tta      583

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<210>	13107
<211>	530
<212>	DNA
<213>	Glycine max

ctctagcggtt	gttgcatgtgc	agaagcgtct	ccattttctt	tgcgatggc	cgcgcgagcc	60
ctgttgacca	gaaaaaccc	agccaccgtt	ctccgcaacg	acgcgaagcc	cataatcgga	120
gctggcatag	ctgcagctac	tcattctcgt	gggttgcacg	tgtacacgct	ccccgatctg	180
gattacgact	atggcgctct	ggagccagcc	atcagcggcg	aaatcatgca	gctgcaccac	240
cagaagcacc	accagactta	catcaccaac	ttcaacaagg	ccctcgagca	gctccaagac	300
gccgtcgcca	agaaagattc	ctccgccgtc	gttaagctcc	agggcgccat	caagttcaac	360
ggcggaggtc	acgtcaacca	ttctattttc	tggaaaaatc	tagctcctgt	tcgtgaagga	420
ggtggtgaac	cacccaaggg	ttcactggga	tgggccattg	acacacattt	tggctctttt	480

gaagcattag tacanaaagt taatgcagaa ggtgctgcac tacaggggtc

530

<210> 13108
<211> 703
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220144d10a1

<400> 13108

ngggggnnna aggggatgag tactctaagg catnccannn nntatngtcg cgnncgccag 60
cengggannn ggggggagcg cnnctcaann ctcatattcc aatggcaaata cctcaaacia 120
acaataaccg ccaccagccc agccgcctgc agcgccgcgc cccctcctcc ctgcaaataa 180
accgcgcgt cgagtgaac gtcgccatcc cctcctctt cccggctcgc atcctctccg 240
ccgccgatgg agctaaaacc gccgcaagag ccgccgcagc gggaggcgga gaaggtcacc 300
gtgtcgttca agaagtggca gcaccccgcc gcacctttct gttacgagcc cgctcccatg 360
gtgcctccct tcgttcccgt gtagatatac aaaccaaaga aaaagaagaa gatgaaggaa 420
cagagagagt tttaggatgc tgctatctaa tggttcatat tactatttag atagaatgaa 480
gaaagatcta acgctgtatt ttttaattaat tattattggg cctttttttt tgggtggggag 540
aaggcntgcc ttgctttgca cacggggatt accatgttca tgccctcattc attcatgtga 600
tatgaatgaa cattacaccc cctctgngnt ntnttctctc tctctttttt agcctttccc 660
cgtttttttt tatgcctttc atnttggggc taaataaact act 703

<210> 13109
<211> 434
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220144d10d1

<400> 13109

ggggcgga aaataaaaaa aaatttcccc tggggggcag ggggggattt tggccccca 60
actgaagggg cacaataaaa acggggggca tcttccgaca ccgaggcaaa caaaaccccc 120
ccgggggggg gcgctccttt cttcttcccc cccggtaagg gggcgctcc cttttttccc 180
ccggggggga acaaagggga gacccccccc ccccccaaag aagggggccc gctttttgtt 240

tctgaaatcc cccgggtgat tcttcttttt ttctctaaag aggggggggc cccccctgat 300
 accgcgcccc ccaaaaccgt tccggggccc tagtttggtt tttttttttg gggggggccc 360
 tctcccgcac cccggggggg gccccgggg cgggcctcca caccaaagag gggggggggg 420
 ggggtgcctt tttt 434

<210> 13110
 <211> 517
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220144d11a1

<400> 13110

ggggnnnnnc cgggtagatg tcgtatacca nncnannnnn tnnnttcccc ncnccnannc 60
 nnnnaaatag ntcnaggggg ngctgaaact gcagaagcgg ctggtcgcat gcgtgctcaa 120
 gtgtggcaga ggaaaggtgt ggcttgaccc caatgaagtc aacgaaatct ccatggccaa 180
 ttctcgcaa aacatcagga agttggttaa ggatgggttt atcatcagga agccaaccaa 240
 gattcactca cgctcgctg ctcgtaggat gaaggaggca aagaagaagg gccggcactc 300
 tggttatggt aagagaaagg gtacaaggga ggcgaggctt cccaccaaga tactttggat 360
 gagaaggatn gcgtgtgctc aggcggttgc ttcgtaagta cagggaatca aagaaaattg 420
 acaagcacat gtaccatgat atgtacatga aggtgaaagg tnaatgtttt caagaacaag 480
 agagtcttga tggagagcat tcacaagtcc aaggctg 517

<210> 13111
 <211> 542
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220144d11d1

<400> 13111

tgaanannna cggggtgagc atacatgcac nccccggaag taattnnccg ggccacgacc 60
 ccactagaag gagggcggcc ggganaaana aaaaaaanaa aaattttttt tttantattn 120
 ccgcaaccag atgaatgggg ggggcaaatt cagtaaacc caccacaaca aatatataat 180

ttaaaatgatg caagatatga agtttttata catccaaaac ttaccaaggt ctaaaaccaa 240
caaaaagaga ttcgtcacaa ctacttttagc agactaaaga ttttgccaga gctattaaag 300
actccacgtc cttggaattc caggatatgc tactcacttt ttgaatttct ttggcgcttg 360
ggtaaactgg ggtgctgggg cacctggggc actgggggca aaaaatgtct tgtcaatagg 420
accttgggct aagcgctcct ccctccgagc aagattgctt tccctgctag ccttgttctt 480
tgcacgctta gcctcaaact gatcagacaa agtcttcttt cttgccttct cagccttgga 540
ct 542

<210> 13112
<211> 131
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220144d12a1
<400> 13112

gtgtcggatga acctggagct gcactctgttt tttttttttg gggccctcag atgacgaaaa 60
gtgtggtgag tctccttggc agtggaggaa aaatccatgg accattcacc gacacacatc 120
aagacattgg a 131

<210> 13113
<211> 588
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220144e01a1
<400> 13113

atgtgaaaac aaaacctaac agtaacactc ttgtagagct tgttttccat tccatctgca 60
ccgaactgag gtgtagtgtt tggtggtgtc ttgagcatgg cgacgcaact gagcgatgag 120
gaactcataa ccagcttgca agccagggtc aaggaattag aaactgagaa tgcaaagtta 180
ttgtcccaac ttgctgattg ccgcagtcac gagatggaga aaaaagtata tgtccctgat 240
gagagaggcg ggaaatcaaa aaaaggcaac aggaaatctg aagagaagat agagaaaatg 300
ccaggctata acacaagggt tatgagtcac catagcagga gatatgtagc tttaaaagtc 360

atgtactttg gaaaaagggt ttatgggttt gcttcagagg cacaaatgga accaactgtt 420
 gagtctgaac tttttaagc ttttgagaaa acaaggctat tggttggcaa taagaaggaa 480
 tcacagtatt caagatgtgg tagaacagac aaggnggttt cctctgttgg acaagtgata 540
 gctcttttnc taagatcaaa cctcaagata tctgaaacaa ataatgga 588

<210> 13114
 <211> 515
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220144e02a1
 <400> 13114

cttcaaaaga ttgcagcatt ggaagcactt aagagaatga gtctgcagat ggagaggaag 60
 aagcctgagg agaagacctt gagtagtttt ggacacactg cgaggtacag aagatacacc 120
 attgaggaaa tagaagaggc aacaaacatg ttctcggagt ctctcaagat cggggaagga 180
 gggatatgggc cagtatacag gtgcgaacta gattgcaccc aggttgcaat aaaggtgtta 240
 aagccagatg cagcacatgg gagagagcag ttccagcagg aggtggaagt gctgagttgc 300
 ataaggcatc caaacatggt tcttctgctg ggtgcgtgtc cagagtatgg gtgtctggtg 360
 tacgagtaca tggccaatgg aagcttggac gactgtctgt tccaagagg aaaatcacgg 420
 ccacctctcc catggcagct gaggttccaa atcgtctcag agatagccac aggtctcctt 480
 ttccttcac agactaaacc ggagccactg gtcca 515

<210> 13115
 <211> 539
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220144e03a1
 <400> 13115

attgaaagga agacaaaaca caagactttt tcattcagca aggcttgaaa cgagaagcga 60
 ggatgcccac cagatgtatt ctgcattggc aaccgaacca aggaagcgtt gtgaacagcc 120
 aagtcctgaa tgagatctcg cagtgcgtcg aaagccttaa cggcgtcaaa gaaggaagat 180
 gcaaagcctc cctcactttc tacagacca atttacgaga ccaatcgggtg accatcgatt 240

ttcctcgga ttttctgggg atatcgatgc tggagcagcc gaacaaatac tacttaatca 300
 ttgcgggcca gaagattggt ctcgaggccg attcttctat cttgcttata atggagaaac 360
 tccagtecta caagtccaaa gtcgcccttc atttcagga gtgctgtata agttgggtga 420
 ctctcagatc aggggtgatta aagttgttcc cagtcaagcg gagagtctca gaggaattat 480
 gattgagatt gagtatctnc ctatctcgtc agttggaaaa tccaagcaaa ttttgggaag 539

<210> 13116
 <211> 515
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220144e04a1

<400> 13116

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 tcaggaacga aggtcgtgga ggcggagagg cggcgacacc agccccgact ccgtcatctt 120
 cactctcgaa tccaacttga gcctcttctc ctccgctcc gccagcgctg accgctgctc 180
 cttcgctcc gacgcccacg accacgactc cttagcctct gaaatctcac tccatttggc 240
 agtgcaggat cacgacggcg atttcgctcg tagcgaaagc tggagcggtc aagatccgga 300
 tccgatctg aataaacgac aacaacaaca acaacaacga cacgcagata cagattcaga 360
 tgcagtacat gggaagcatc gccgaaatcg tttctctgga aaaagagaga aagcgaaagt 420
 tcataaggaa gaggacagtg atggtggtga cactgaggac ggaaatcaac acttagaata 480
 tgattcggcc agaaactctt tctctctggc tctca 515

<210> 13117
 <211> 566
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220144e05a1

<400> 13117

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 ttcacatact cctctgccat cttgcacaac aaaggtgaca accccattgt gtttgggacc 120

atgcagacct acctcaagga tgccaaggag agactcttgc tggctgcaga ggctgcagac 180
aacatgggaa tcccaatggg cttcaaactt gtcaggggtg cttatatgtc aagtgaaca 240
aaattggctg agtctttggg ctattcttcc ccaattcacg acaccatcga ggacacacac 300
aagtgttca atgactgctc ctctttcatg cttgagaagg ttgctaattg ccctgggtgga 360
cttgttcttg caactcataa tgttgagtca gggaaactgg ctgctgcaa agcacatgag 420
ctagggattg gaaaggtgaa ccacaagctt gaatttgac agctgcatgg aatgtcagag 480
gcactttcct ttggtttgag caatgcagga tttcaggtga gcaagtatat gccatttggg 540
ccagtggaga ctgttatgcc atatct 566

<210> 13118
<211> 528
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220144e07a1

<400> 13118

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gaaggtgggt gggtttctat ggttgagggt tttggttgag gcgtgttgcc ttcacgcgt 120
tgttattctg tgtatgaggt caaacaacct attgatgcga actggtcagt gtttcctctt 180
aaatggtttc atcttcttag gaagtatatt cgtcctaaac tcggttgta tccctgcatt 240
gtggtggata ttacctgacc aaagctcaca gtttggttct cataaactct gtgacttagg 300
tggcactttg aaattttatt ctttcgtacg tcttgcactc attcagctct tttatgtgct 360
ttggttttac ccattatacg tgtttatcat agttcttagc acaatttggt acaacgacat 420
tgcaagtat gggatgctg caatgggaag atctaaattt actgtaaaga aaggctcaag 480
ccataacaac tcaccaactt tacaaaatgc tcatcatgta aaaggacc 528

<210> 13119
<211> 592
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220144e08a1

<400> 13119

ggaaaggtgg gtgatgaagt gaagtgttct gcgattgcga atggaagtga ggcggaaggt 60
gaaggtgggt gggtttctat ggctggaggg tttggttgag gcggttgcc ttcacgcgt 120
tgttattctg tgtatgaggt caaacaacct attgatgcga actggtcagt gtttcctctt 180
aaatggtttc atcttcttag gaagtatatt cgtcctaaac tcggttgta tccctgcatt 240
gtgggtggata ttacctgacc aaagctcaca gtttgttct cataaactct gtgacttagg 300
tggcactttg aaattttatt ctttcgtacg tcttgactc attcagctct tttatgtgct 360
ttggttttac ccattatacg tgttttagcat agttcttagc acaatttggt acaacgacat 420
tgccaagtat gggtagctg caatgggaag atctaagttt actgtagaga aaggctcaag 480
ccaaaacaac tcaccaactt tacaaaatgc tcatcatgta aaaggacat tctgcttggg 540
aggggtcatg attggaatag gacagcangt ctattcaata ctncctttga gt 592

<210> 13120
<211> 609
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220144e11a1
<400> 13120

agggcnnnna agggctgac cttattgcag accannnnnt nnnntgncnn nncnnnccc 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn gnnntttnat tgagcgtgtt 120
tnnttccaaa ccgcaactgg gaaatgacta aagaagaaga ctttaagctc cttaaaatcc 180
agacttgtgt tctcaaagt aacattcact gtgatgggtg taagcagaaa gtgaagaaac 240
tccttcagag aattgaaggt gtttaccag ttcaaataga tgcagaacag cagaaagtaa 300
cggtttcagg ttgcgtggat tccgcaactt tgatcaagaa actggtcaga gctggtaaac 360
atgctgaact ttggtctcag aaaacaaatc agaaccaaaa gcagaagaac aacaatgcc 420
aggatgacaa gaacaaaggg caaaagcaag cactgggtcag gggacttgag gccttcaaaa 480
accagcagaa atttctgct tttagttctg aagaagatga atactactcc gaatatgatg 540
atgacgatga cgaggacgaa gatgaagaga tgcggnnttct gagggagaaa gccattcac 600
tncaaatgc 609

<210> 13121
<211> 613
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220144e11d1

<400> 13121

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cccnaaaaa nnnaaaaaa anaaaannnn annnanaaaa aaaaaaatt tttatttaa 120
aannnnnaaa aaaaaanna aagggggggg gtatntttan acagtacact gatatgattc 180
actctaagcc tcacacatcc atccatccat ccatcactaa cacattcata tggccccacc 240
aaattacagt caaacactat actagcttgg taaatggtaa atagaacttt taagggtcaa 300
ccaccatccg ttttttgttt ttttttttaa ataaaataaa aaacttttgg ctctacaacc 360
tatcattaca ttattgaaca actgctgcta gtattgacat cactgaacat gtgagctgca 420
gagtgatgat catcacctcc tgctgcaggg taaccaggca agccatacga ggagtaggag 480
taatgtgcag ggctgtagct actactgtgg ttgtagtaat agccagtgtt agggggaaca 540
aaaggtgacc tgtgatacat catctggggg tgctgctgca tcatggctng ccttgctctg 600
tgctgcatgt tca 613

<210> 13122
<211> 583
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220144e12a1

<400> 13122

gctgattcca cagacacaca ccgctttact attatgcaag acccttctcg ccccgccct 60
cctcccttct accacaaaa cgggggccag cctcctcccc ccgcccctc cgccgccatc 120
gccaccggct acccctacgc ttgccacaa caatactaca acaccactta cctcctcct 180
cgctcctacg cctcccgctc cttcttccgc gctttcttcg ccaccatgat ctgcctcgcc 240
gtcgtcttcg gcgtcgtcct catcatcacc tggctcgtcc tccgcccctc cctccccac 300

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<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220144e12d1
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aanaanaann	nananggggg	gggggnaaat	aaaaaaaaaa	aacaattgna	aattttccac	180
taacaaagtt	tcaaatctcc	actgagtgct	ctaaaaaggc	aagccaacca	atataagggt	240
gctgataact	atatacaatc	atataaacta	ccaacaaaat	tccattgaaa	cctaaaccaa	300
atcgcataaa	tataaacccgt	cgaaagcatc	aattaactat	atataataaa	atcagaaaat	360
taaatttccc	cccattacca	aacctagggg	tttgaaaaac	atcacccctca	gaaaattcac	420
gtccacacct	gacattcccg	atctccgccg	accaaatcac	cggagctgga	cttggacgaa	480
acgccgacgg	gtactttgcg	gcacagaacc	ttgagaaccc	tcgtoctgaa	cctccacgag	540
ccggaac						547

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<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220144-f01a1
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aaggggtgtc tgagactgat aaaaattcat gtgtgattga tataaaccgt ggcagctgtg 120
atggcttttag cgagaatttg gaaggtgaaa tgattttag gatttgccat ctggcctctg 180
ggcaacgatt ggaagcagca gatgttgga ctgcaagtag tgctactact aatacagatt 240
tgattcagct cggttgtgca tgtaaagatg agctaggat tgtgcatagt cattgtgctg 300
aggcatggtt caagcttaaa ggaaacaggt tgtgtgaaat atgtggtgag actgcaaaaa 360
atgtttcgga tgttacggat aatggattta ttgaagagt gaatgatact agattcatgg 420
acagtataa tacctcatcc agaaggttg gtggatgctt gtgcggacaa ccattttgta 480
acttcttaat ggcattgctg gtaatagctt ttgntctgcc atggttcttc cgtgtaaata 540
tgttctagnt gaggagtcaa acactattct ttccttc 577

<210> 13125
<211> 592
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220144f02a1

<400> 13125
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ccgcagaaga actgaactta gatttaagat cctccttcgt ccccaaaacc atcaccgatt 120
tcctccgcca cctctccgcc aacaacaacc accctgccac cctccggat ttcctctccc 180
gcctcgaaga cgagctccgc aagatccacg ccttcaaacg cgaactcccc ctctccatgc 240
tcctcttaaa cgacgcaatt tccgttctga aggttgaatc gcagaaatgc tgcaggggtg 300
cgcgcgattc gccgccgtg ctggaggagt tcattccgtt gaagaaggag cttggtgatc 360
agagcgagga ggaggaggag aatgatgatg acaaggacga taacgaatgc agggataaga 420
ggaattggat gagttccgtt cagctctgga ataacaacac taccaccact actactaata 480
acaacaacaa tgcctctgat cgncaacaac tacttcataa attacaaacc aagataagtg 540
aagaagggca gtctgtggct gaggatccct ttcagacctg agtaatagaa at 592

<210> 13126
<211> 560
<212> DNA
<213> Glycine max

tggtctcttc	tgtgtgccac	cccctctttt	attttttttt	tcttttagctt	ttggagtttg	60
gagtctcttg	aaccatggct	aagaatagag	gagagttgag	gattcatgag	agtgtggatg	120
agctaaggac	tgatttggca	gactatgttg	ctgagttatc	agaggcatct	gtgaaagagc	180
gaggagtcct	tgccattgct	ttatctggtg	gttctctcat	tggcttaatg	gggtattttgt	240
atcttatctt	ttccatataa	tagtttcttt	gctttcatga	tttagtgttg	gtttaaaact	300
tctgattgca	aacagaaaac	tctgtgaagc	tccttataac	aagacagtgg	actgggccaa	360
gtggtatatc	ttctgggctg	acgagcacgt	tgtggcgaaa	aaccatgccg	atagcaatta	420
taagcttgct	aaagatggcc	ttttgtccaa	ggtgtaggat	aggggcacag	ggttatatac	480
catagaccac	ataagtttga	attctcaaaa	agatgctgtc	cataacttgt	ctttagtaga	540
ggaaaggatt	atgctgatac	ttga				564

<210> 13128
 <211> 569
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220144f05a1

<400> 13128

tacaattact actttctctc tctttgtttc ttgtaagcat ggagtcctca aagatctatg 60
 cttacctctt cctttgcatg ctcttctctc cctccgccac tcccattctc ggttggtggct 120
 actgtggcaa accccccaaa aagcacaagc ctggtaaaac accaaagaca cccacagtac 180
 ccgttggttaa gccaccagtc acaatccctc ccattgttaa gccaccagtc acaatccctc 240
 ccattgttaa tccaccagtc acaatccctc ccattgttaa tccaccagtc acaatccctc 300
 ccattgttaa tccaccagtg acagttccac ccgttggtgct tccaccaata gtgaagcccc 360
 cgggttttct cctccaatt cttaaaccac caagtacacc aacaccgtcg ccggggaagg 420
 gagggaacac tccatgtcca ccaccaaagt ctctgcaca ggctacatgc cccattgaca 480
 cgctcaaact aggtgcttgt gtggatcttc ttggtggctc gggtcacatt ggctggggag 540
 accctgttgc gaaccagtgc tgccccgtg 569

<210> 13129
 <211> 551
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220144f06a1

<400> 13129

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 gtcgattggg tccttaagct gttccttctc tgtttctgac aaactgtata actcctatca 120
 aacatgagcg gtcgcttttc tcgcacaatt tatgtcggca acctgccctc tgatataaga 180
 gagtcagaaa ttgaagatct attctacaag tatggccgta taatggatat tgaattgaag 240
 gttcctcccc gccctccatg ttattgcttt gttgagtttg ataatgctcg agatgccgaa 300
 gatgcaattc ggggtcgaga tggatacaac tttgatgggt gtcggctaag agtggagctt 360
 gctcatgggtg gtagagggcc atcatcaagt gatcgacgtg gatatggagg aggaggtggt 420

tgcgtggctg gagccttaac catggcattg gtcaaaggac agaagctgtt acacacggag 300
 ttccttcctt ctatacatct caccggcagt caaggtgatg attggctgct gggttgccta 360
 ttgctcttag caagcagtgt tttttggtca tggtggatga tcctgcagggt accaatcact 420
 tcgtgctgcc cagaccattt attatcaacc ttttgatgt gtctgttttc aacaatacag 480
 gctgccctat ttgccctgct ttcagagtcg gatcttcaag catggatttt gcaatcacct 540
 ttacagattt catgttc 557

<210> 13132
 <211> . 393
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220144f09a1
 <400> 13132

tggaggacca tctaaagtat ggagactatg ttaagaattt gtcattacaa ttcttgaacc 60
 agaacaattc cgtgcagggg aatattcctg attcaagcta tgaagcagga cttgaattgt 120
 cggttcaatc ttcaggtttg ggtaaccag aaatcgga tgaacctgc caaggagtgc 180
 cttaagatga caaggaggat gggctccttca ccaaccaaga atgctgctaa cttatcaatt 240
 acattatcaa agtttgtgcc ttataggacc gaaatagaat ggtacaaagc ttggtgtcac 300
 cagcaagttg atcaaattgg atactacgac ttattcaaga ggagaaggag cacttcaaaa 360
 atggctatga aagtcaacat gaatcgtcac aaa 393

<210> 13133
 <211> 569
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220144f09d1
 <400> 13133

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 ggncccccct nntttntttt ttttttagaa caagccattt ttattctagg tattttgcaa 120
 acaaggagtt cgtaggggta ttacagatta cagagccaag cttatttatt gatttcattt 180

aaaattacta aggaattact tctccatcca aaaacggggt taaaaggggt gtgaaaacgt 240
 cttcaccttt gctatgagtt ccctcagtec tcttaaactt tccatccata tactgtaact 300
 tgagttctta gcaagaacat cttcagacac ctcttatta tcaataagtt ccatagcata 360
 cttctcaaat ttctcaatgt tatcccacag cacagccaac tttgttgtgt cactctcact 420
 tctaacta ttcagccagt cccttgettc ctccaccctt gcccaaaagc atgaatcttg 480
 ggtcaaactt gcaaacttgc tctcctctc attattttct tcgggtgttg ccattgcatt 540
 cctccaccac ctatcaaaaa tctcatacc 569

<210> 13134
 <211> 444
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220144f10a1
 <400> 13134

gtgggtgtttc atttgtgaaa ctaacaacaa cacaaggcca tcatcatggc agctgcttcc 60
 ccaatggcaa gccaaactcaa gtccaccttc actaggactc ttgtagctcc caagggcctc 120
 tctgcctctt caccacttca cctcgggtgcc ttctagaagg caatttagct tcaactgttaa 180
 ggccatccaa tcagagaagc caacctatca agtgattcag ccaatcaacg gtgacccatt 240
 cattggaagc ctggaaaccc cagttacatc cagccctttg atcgcatggc acttgtccaa 300
 cctgcccgca tacagaaccg cagtgaagcc actactaaaa ggatcngagg tgggcctggc 360
 ccacggatac cttcttgtgg gccattcgt gaaggccggg cctcttagga acaccgagat 420
 cgccgtgcaa gcgggctctc tggc 444

<210> 13135
 <211> 391
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220144f10d1
 <400> 13135

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cccactaaan annagangnn cnnaanaatt tnttttatta aaacatttgt ttttatanat 120
 ttagcgtagc gnaggcccag ggatggagta ctacatttac tatatcacga tcgcgataac 180
 aaacaacaaa ttgatacatg aaacggaccg atgagttaac taagggtggg tccacactgg 240
 tctaactgca aatatacata tatttttcca agatatttga gtttgcatgt aatgggtgagc 300
 tagtagcaag gtttgagggg cttcccgcag agacaatcgt ttagacaaa ggaggaggct 360
 tcgagatgat caaaaggaga gccaagggga atcttgccac agagatgggtt atgactcaaa 420
 tccaagtgcc caatatagga agcagaggat atggacttag gtatggcccc ttttaggtta 480
 ttatacgaca aatccagagc agtgaaataa gacctcacgc cgaacg 526

<210> 13138
 <211> 95
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220144f12a1
 <400> 13138

cttatcatct gacgagggtt tttaaagtac tgttttaata cctaagaaag tttcaactat 60
 taaaatgtat ttcaatctca tctccatatt ttggt 95

<210> 13139
 <211> 222
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220144f12d1
 <400> 13139

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 aaaaaaaaaa aannannaaa anaaaaaaaaa naattttttt tttanaanaa ntananaaaa 120
 aaaaaggggg ggggggttga taaaaattaa ataggtgaac ctttcttagg ttttaaaaca 180
 gggatttaaa agccctcggt agattataag gttggggcca tt 222

<210> 13140
 <211> 583
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220144g01a1

<400> 13140

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cttcattcttt atcttattat tttatgcttc ttcccagaaa ccatcaactt cttcaaaatg   180
gcattattta tctatgtgaa atatatgatt tgatatgttt taattacaac agtttagtat   240
ggaattattt tccttattac tcattattta gtttccttat tttgtaaacc tccttcatta   300
taaataagag tatttcatgt ggtctgatat gacaacacac aacagtaa atccttacg   360
atctatataa gcatgctgtg atgccacagc taatgattct agaatttggg actgtttctc   420
agtatgttgt gaccctagcg tgcctattta gtagacaatg ctagtagtat gatttctccc   480
cagctttgtt tatgtggttt gattagccca ggaagtgagc aaatcatttc cttcacagtc   540
aagatgtttg cagcactgca ttgagagcat tcttgactg ctc                       583
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<210> 13141

<211> 557

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220144g02a1

<400> 13141

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gaaggggtgcc cgaatcagca aatttgtgcc actgccccca aaggccctga ccctggtact   120
cttcattcttt atcttattat tttatgcttc ttcccagaaa ccatcaactt cttcaaaatg   180
gcattattta tctatgtgaa atatatgatt tgatatgttt taattacaac agtttagtat   240
ggaattattt tccttattac tcattattta gtttccttat tttgtaaacc tccttcatta   300
taaataagag tatttcatgt ggtctgatat gacaacacac aacagtaa atccttacg   360
atctatataa gcatgctgtg atgccacagc taatgattct agaatttggg actgtttctc   420
agtatgttgt gaccctagcg tgcctattta gtagacaatg ctagtagtat gatttctccc   480
cagctttgtt tatgtggttt gattagccca ggaagtgagc atatcatttc ctccacaagt   540
cagatgtttg cagcact                                557
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<210> 13142
 <211> 538
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220144g03a1

<400> 13142

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 tcaacaatgg ctctctcttc atcatcattg gctggccaag ctatcaagct tgccccctcc 120
 acccctcagc ttggtgttgg aagggttagc atgaggaaaa cagcctccaa gactgtttct 180
 tctggaagcc catggtacgg ccagaccgt gtcaagtact tgggcccatt ctctggtgag 240
 cccccatect acctcactgg tgaattccca ggtgactatg gttgggacac tgctgggctt 300
 tctgctgacc cagagacctt tgccaagaac cgtgaacttg aagttatcca ctccagatgg 360
 gccatgttgg gagccctgtg ctgtgttttc cctgaactct tggcccgcaa cgggtgtcaag 420
 ttcggtgaag ccgtgtgggt caaggccggg tctcaaatat ttagtgaggg tgggcttgac 480
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<210> 13143
 <211> 586
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220144g04a1

<400> 13143

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 attatggcac accatccaca ccatcagatc ttacctggtg aagggccctg ccaacttcac 120
 tgtaagattc tgggtaccagt ttaacactac ccctcagtct agacttaaac acttagaact 180
 tgtttctatt ttatcctttt ccatccttgc attttctgat caaattctag acttcctca 240
 tttccactat gcctttaagc ttgacaactt tgagcatgca actatgttca tacaccttgc 300
 tttgtttgct ggtttctccc tctccactga gttgactgat tcaattgacc tcttctccgg 360
 ctttgttggg atacttgcac cctcggtgtt tagtcaagaa ctattccttc tccattttca 420
 ctccacagac catgttggac ttgaaggcca ttaccactgg ctgctgcagc tcatagtgtc 480

gctgacaaat gcaaggtggt ggtcaacatt gagcagcaga gccctgatat ctgccatggt 420
 gtgcacgggc acttcaccaa gcgcccagag gaggttggtg ctggtgacca gggtcacatg 480
 tttggctatg ccactgatga aacccctgag tacatgcccc tcagccatgt ccttgcaacc 540
 aaactcgggtg ctc 553

<210> 13146
 <211> 564
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220144g07a1

<400> 13146

gattccaata cggcgccgtt ttccttctcc atcaagcgca acgcataaca atcgtcagcg 60
 ccaccatttc ccttcgggtc ccaagaatca atggcgactc gtgcgttgct cggagcaatc 120
 aagaaacgca ccgtttcggt ccccgcatte cgcgggcatt ccatttatcg acacggtagc 180
 acgcttgtgg tggcggaaca cgaaggtggt tttatcaaac ccccttctct ctcagcactg 240
 gctgctgcc a cgtgtcttcc cgatcctgac tcttccgttt ctgtgctctt ggccgggttcg 300
 ggtccttctc ttcacaaagc tgcttcacat gctgcttcgt gccacccttc aatctccaag 360
 gtgcttgtgg cagattcaga taaattcaag aacctctgg cagagccctg agctaaatta 420
 gtccatttgg ttcaccagag tggcggttac tctcatataa ttgctgctgc aagttctttt 480
 gggaaaaatg tcgtgccacg tgcggctgcc cttttagatg tttctccaat tactgacgtt 540
 actggaattt ctgattccaa tact 564

<210> 13147
 <211> 598
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220144g08a1

<400> 13147

gttcatgatg tgagtgtgag atgtgatgct cattattatt tcttttttac cacaaataaa 60
 gcaaatttcc acagtaaacc cctctctttt cccttcaata ctcacttctt ctctttctcg 120

ttgcactgat cttagagggg tttgtgttct tggtttcctc ccctttctct ctctctctgc 180
 cttgcatttt tgtgtgtttt tctcaatagg ggtttcgaaa atgccgatgt ttcagccttg 240
 tcggaaggac ttggttgccg ggtacgaggg tggtagcgac ggccagattc tagatctgga 300
 caccgccgtg aaagacggcg ttttggggcg cgtggagggc ggcgtcctgg gaggtggggg 360
 tggtgagaag gtggatctgg aaganatatt ggaggagct tgagttatgt gaagtgccga 420
 gtgtgttcat ttgccaatc tcattggaac caatgcaaga ccctgttacc ctctgcacag 480
 gccaaaccta cgagaggtcc aacattctta aatggttcaa cttgggacac ttcacctgcc 540
 ccaccacgat gcaggagctc tgggatgatt ccgtcactca aacaccaccc ttacagct 598

<210> 13148
 <211> 567
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220144g09a1
 <400> 13148

gannnnnaat ggcgactcct atgcannccc nnnntntnnnn tgnenggnnc nnnncnnnnn 60
 nnnnnnnnnn ngngnnngnc cngnnngnnc tnanngaatt tttgttggtc ctgctgctaa 120
 ctacagcacc tgaaacagtg aaatttgaaa gctctctttc tttaaaaaag tcttctttct 180
 ttctttcttt gtagtactat ggagactaga gagagagaag actgaagtcc ttgccagcca 240
 ggctcaata cattgtgttc agtttttcac ctcttttggt ttctgttcct ttttcttct 300
 gtttcatcat cttcatggat ccacagtaat tcaccacaaa tcttgcttct tcttcttctc 360
 cttcttcttc atctctact cgattatctt cttgatgaaa agctttcaga atttaatttt 420
 cggaactcaat tttcagtttc taaaaagctc cttaatttct cttcttattc ttctgaaaga 480
 ctggtacttg ttcattgtta tgtcctaagt tgtaaattg cttaaattcct ccctagaaaag 540
 tttagtttct gggctttatt cttctca 567

<210> 13149
 <211> 602
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<223> Clone ID: jC-gmf102220144g09d1

<400> 13149

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atgaaatgac ttcgtaggcn tctcnnnnnt tnnnttgnaa anncnnnnnc nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnntntttt ttttttntn ntnnnntnnn 120
ntntttttnn tggggggggg ttttntttt ttttntttt atccctcat aatgctatct 180
agggttcaaa ctacataatc aatataaaca ttatgcaata taagaaagac tagacttctg 240
aatagtttag tagaacatgc atgcatgtag agcaaagatc ttgatcaaag aaagagcaca 300
acagattggg gagaaactaa cttatgccta ctatgtcaca agaaacttga caagggaaaa 360
aagtacacca tgtctgatac ttgccttggc ctcttcacac agtctcagca gcaaaaatat 420
gtacacagca agtcctcaa aatggttaat atactcccag agattctcat cattttgcta 480
aattttcact gtgactggtg aaaagagaaa tcggtcacat caaacaccac ggtttaccat 540
ttccctgaaa cgctggaag actccagcct ctgcagcttc atttgagtgt tgatcttctt 600
at 602

```

<210> 13150
 <211> 402
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220144g10a1

<400> 13150

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tgcctacca gtaagtacta atggaatttt tgttggctct gctgctaact acagcacctg 60
aaacagtga atttgaaagc tctctttctt taaaaaagac ttctttcttt cttcttttgt 120
agtactatgg agactagaga gagagaggac tgaagtctt gccagccagg cctcaataca 180
ttgtgttcag tttttcacct cttttgtttt ctgttccttt ttccttctgt ttcattcat 240
tcatggatcc acagtaattc accacaaatc ttgcttcttc ttcttctctt tcttcttcat 300
ctcctactcg attatcttct tgatgaaaag ctttcagaat ttaattttcg gactcaattt 360
tcagtttcta aaaagctcct taatttctct tcttattctt ct 402

```

<210> 13151
 <211> 646
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220144g10d1

<400> 13151

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gaattaaatg ttggatgngg tctgcactcc aaaaatnncg tgggaggacc acaccagacg   60
gaggacgccc tttttttttt ttttttttaa agctcaattt tttgtttaac tattagggcc  120
gcctatatag aagagcaggg attatacatt cgatttaa atccccctca taatgctatc  180
tagggttcaa actacataat caatataaac attatgccat tataagaaag actagacttc  240
tgaatagttt agtagaacat gcatgcatgt agagcaaaga tcttgatcaa agaaagagca  300
caacagattg gggagaaaact aacttatgcc tactatgtca caagaaactt gacaagggaa  360
aaaagtacac catgtctgat acttgccctt gcctcttcac acagtctcag cagcaaaaat  420
atgtacacag caagtcctcc aaaatgggta atatatctcc cagagattct catcattttg  480
ctaaattttc actgtgactg gtgaaaagag aaatcgggtca catcaaacac cacgggtttac  540
catttccttg aaacgctggg aagactccag cctctgcagc ttcattagat tgttgatctt  600
cttaatgaag gcttctgccc tgcgattcaa ttctctgga ctcatg                    646

```

<210> 13152

<211> 392

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220144g11a1

<400> 13152

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tggacannna agggctgac tcgtagacca taccacgnnt tatgttcgcg naccacagcc   60
cggaaaaaag gtcgagaaaa gaagagaaaag acccgattga cccctaccg ttgtgccttg  120
ggacaaaaat tggaaagggg gctcattgga gggatatctga aggaagggct atcgagcaga  180
ctgacgcgat taaaggtctg catcgcgggg gtactcacgg aagaaagagt ggcaattgag  240
aatcgatgag ctcggaagt tgatatgatg gctggcgctc accatgagaa acaggcgagg  300
gggagtagag gctatgattg cgatctgtct gcaattatat tactatctat atgatgactc  360
atcttagtgt catggaggtc cacacctgac at                                392

```

<210> 13153
 <211> 541
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220144g12a1

<400> 13153

ctctcatggtt acaatcctct tgccgctgag ctccctttct cctcgggtcca cagagacaaa 60
 atgtaagaca ggtgccaaca gttcatcacg aaagaaagga ctagctgagc cgagatcact 120
 aactaaaacg aatttaatac ttaatcgaaa atactaatag aatagaaata gaactgtctt 180
 ttcatataga tatcccttca acacaacata ggtcatcgaa aggatctcga agaccaccca 240
 acgcacgaaa gccgggatct ttcagaaaat ggattcctat tcgaagggtg cataaccgca 300
 tggataagct cacactaacc cgtcaatttg ggatccaatt cggttcctta gggaggtatc 360
 gggaaggaat tttggaatgt aataatatcg attcatacag atacagaaag aagggttctc 420
 tattgattca aacgctctac ctacgagata gggatagaga aagaggaaaa aaccgaggat 480
 ttacatagta cttttggtcg aaaatcgatc tgattttttc gtacttttcg ctcatgatga 540
 a 541

<210> 13154
 <211> 537
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220144g12d1

<400> 13154

gaactaaatg tacgctgcaa gcaancaaaa taattaaagg accaancnna aanaaaaaana 60
 aaaaaanaaa nnnnnnnnnn naattttttt taaaaaaaaa aaaaaaaaaa aggggggggtt 120
 ttattaagtt attttattag actttgtatt ccaaggctat ctgctttacc acttacctgt 180
 gccttttagaa ggcaaattag cttcactggt aaggccatcc aatcagagaa gccaacctat 240
 caagtgattc agccaatcaa cggtgaccca ttcattggaa gcctggaaac cccagttaca 300
 tccagccctt tgatcgcatg gtacttgctc aacctgcccc catacagaac cgcagtgagc 360
 ccactactaa gagggatcga ggtgggcctg gccacggat accttctggt gggcccatc 420

gtgaaggccg ggcctcttat gaacaccgag atcgccgggc aagcgggctc tctggccgcc 480
cgtgggcttg tggatgacct cagcctttgc ctcacaatct atgggatttc atccttc 537

<210> 13155
<211> 604
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220144h01a1

<400> 13155

atcgagataa ctagaaacag tgtgatgata aatgaaggtc cttgttttct tcgttgctac 60
aattttggta gcatggcaat gccatgcgta cgatatgttc cctctccgaa tgaacactgg 120
ctatgggtgcc cgtactccgg aggtgaaatg cgcaagttgg aggcttgctg tggaagcaca 180
caacatcttt ggctttgaga ccattcctga agagtgcgtt gaagcaaca aggaatacat 240
ccatggcgaa caatatagat cagactccaa aacagttaac caacaagctt acttttatgc 300
cagagacctc gaagtccatc ccaaggacac atttgtgttc agtatagatg gcaccgtact 360
ctctaataat ccatactaca aaaaacatgg atatgggggtg gagaaattta actcgacctt 420
gtatgatgaa tgggttaaca agggcaatgc accggcactg cccgagactc ttaagaatta 480
caacaagctg gtgtctcttg gcttcaagat tatattcttg tcaggaagaa cactggacaa 540
acaggccgta acagaagcaa acttaaagaa ggctggctac cacacatggg aaaaattaat 600
tctc 604

<210> 13156
<211> 406
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220144h02a1

<400> 13156

tgatcgtaat aacttttaac acagcgatca tgattacaga tctcgatcgc tccgaccaca 60
gggggatgtt atcgtggcat taccgtgctt acaagactga ccctattcga acgaacacaa 120
gccttgaggc ccgcactacc gaggtgtaac gcacacctcg tacggccgcc gcagaaacac 180
acaccaaatt gagctcccat accatgcctg aacgacgccc tataccaacg aaggactaca 240

tccttggcga agaatttaga tcagactccc acacagttcg cccgctaact aacctgcaag 300
 ccagagaccc cgtcgcccac gctaaggaca cattcatgct caatatcgag ggcaccgcac 360
 tggctaattgt tccatactac aacacacacg tatctgatgt cgagaa 406

<210> 13157
 <211> 578
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220144h03a1

<400> 13157

tgaatctgca ctctctttga aaactgtctc gctttcaccg gcgtcggaaa catcgtccgg 60
 ttaggggttcc ggctatcgct aagggcacgg atcataaaat cttccagaag cttctatgct 120
 attactcagt attattacca tttgccaaagg tggtgttagg caccattttt atcacttgaa 180
 gtcagtcagc aacaactttt ctgcgaattt ttcaggaata ttttcgcctg aaaaagttgg 240
 agcaaagtgc tttgcaaaac aagggatttt ggatggtaaa gggttctgga cacattaatg 300
 acagagatac agtatttgat aatcccacca aaattgaacc aaaacgacct catcaatggt 360
 ttgttgatgc tgctgaagta gatttttttc caaacaagaa acaagccgta gaagatgcag 420
 atgaaaaatc tagtcctgga ttttcaaata taaatattcc tccctgggag aacaatccca 480
 attttcattc agtcccaaac caatttattg gccggttatt tgggtctgaa accaggcctg 540
 tcaatttcac tgaaaagaat actatgtttt ggctgatg 578

<210> 13158
 <211> 586
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220144h04a1

<400> 13158

cattggcatt gcctgggagt gactgattag taagtggcgc ttcccttcca ttccaacacg 60
 ttcgttcgtt cgttcactgc cttctctctc ttaggctacg ttcgccgccg cagccccgaa 120
 aggattcaac cttctgtcat gtcaatggag tatgatatac ctgattctga aatacaacaa 180

aatagcagga gaagaaagaa atctactgtc tgggaacact tcaactgtgaa aatggatgga 240
 cctggatgtg ccagggctta ctgtaaaaga tgccaaaaat catttgctta tctaaaagat 300
 tcaaaacaat ctggcaccag tcatctcaag agacacatta ctttggaat ctgtcagaaa 360
 aatcaacgaa taccatgttc caaaaccgat gccaatccac caaagaaacg agcaagagca 420
 aaaccttggt ttgctgctat ctcatctgat caggagcgtt gcaacagtaa gattgctaaa 480
 atgattatct tacatgacta tccacttcat attgtggaac accaagggtt cattgatttt 540
 gttcgagcac tacaacccca gctcaatcca ctgagnctta atgcta 586

<210> 13159
 <211> 549
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220144h05a1
 <400> 13159

caatttaata cctcaaaaat ggttttctct ctgctcctac ttcttctcct cctcactctc 60
 actgcaacct ctgctcaaca tgacggccct tcgatcacag ccaccatgga gcaattctcc 120
 gggtacaaaa tccacgaacc tgactctttc caaccctctt cactctccgt tgatgctcag 180
 gctcttcaga accagattga tgagcttgcg gcgttttctg actcacctgc tccatcagta 240
 accaggtct tgtatactga caaggatgtt ttaggtcgca ggtatgtaaa aaccagatg 300
 gaacttgctg gcctatctgt gagagaggat gctgttggtg acatatttgg tcgttgggat 360
 ggccttgaac ctgagcttgc tgcagttgca acaggttcgc acattgatgc tataccttac 420
 tcgggaaaat atgatggagt tgtcgggtgt ttaggtgcta ttgaagccat cagagtcttg 480
 aaaaggctctg gctctaaacc tagaagacca ttggaagtca tatcattcac atcagaagaa 540
 ccaacacgc 549

<210> 13160
 <211> 459
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220144h06a1
 <400> 13160

<400> 13162

ctttgagatg gctctgagca cagcttatgc cacattccaa aaccttgatt catcagaaat 60

ctccctcact gatgtcagtc attactttga ctcagatcca acaaacctgg ttcaaagtct 120

aagaaaagat gggaagaagc caagtgcata cggttgctgac acaaccactg ctaatgctca 180

ggtgcgatcc cttgctgaga cggttcgact tgatgcaaga accaagctat tgaaccccaa 240

gtggtatgaa ggcattgctgt ctactggata cgagggtgtt cgcgagatag agaagaggct 300

cactaacaca gttggatgga gtgcaacctc aggccaagtc gacaactggg tgtatgaaga 360

agccaacaca actttcattc aagatgagga aatggttgaag aagctaatac acacaaatcc 420

aaactccttt aggaagctgg tgcagacatt cttggaagcc aatggacgcg gttactggga 480

gacttcagaa gacaacattg acaagctc 508

<210> 13163

<211> 368

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220144h09a1

<400> 13163

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cgттаagacc ctactggta agaccatcac tctcgaagtc gagagttcag ataccataga 120

caatgtaaag gccaaaattc aagacaggga agggatccca ccagatcagc aacgggtcat 180

ttttgctggc aagcagcttg aggatggacg tacccttgct gattataaca tccaaaagga 240

gtccactctc cacttggttc ttcgtctccg tgggggggatg caaatctttg ttaagacctt 300

gacgggaaag acaatcacc cttgaggtcga gagctccgac accattgaca acgttaaggc 360

taagattc 368

<210> 13164

<211> 407

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220144h09d1

<400> 13164

tggttttttt ttttttttaa agtttttttt tttttttttt tccacgaacc aaacagaatt 60
tatggaagga cctgaacaaa caacagtttt ttaaaggcca ctattgtcca tggaaacaat 120
tcaacaagag taaacctttc cggaaccttt aaaaaaaaaa accccaaaga tcttcggaac 180
ttccacatgc ttagacttca agacacctac agaacattct cagactttaa aaaccaccca 240
ggaagaccca acacaggggg aaaagtagac tctttctgaa tgttgaagta agaaagagcc 300
cttccatcct caaattgctt cccagcaa atcaacctct gctggactgg tgggataccc 360
tccttgccct ggattttggc tttgacatta tcgagagggt ctgagct 407

<210> 13165
<211> 402
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220144h10a1
<400> 13165

gannnnattg ggcgtgtcgt angcaacccc nnnnnnnnnn nnggncnnnn cnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn annattattt tttgttnaat taagagagaa 120
taaaaaaata agaagcgaga tctaaaagac ttttaatcag agattttcca taaattaacc 180
ttctacataa aaatatacat agtgtcttaa caaaggaccg tgctactaac atatcatcga 240
cataaagtga ctagtgtcaa tgcagtcgag agatcgacat tactctgggt gaaatatact 300
actcaccggg ggatttctact tcctgtgcct tgtggttaaa atgaatgtga actactgaga 360
tgagaaacca agacatgtgt gactaactcc cgttgggcgt ct 402

<210> 13166
<211> 614
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220144h11a1
<400> 13166

agcncnnaaa ggaatgatcc cgtttgcagt ncnannnnnn nngtcnnnn nnnncnnncc 60
cnnnnnnnnn nnnnnnnnan annnnnnnnn nnnnnnnccn cngnngattt ttttgaaagc 120

atttacaatt tccatttggg ttcaattgaa tcaacatgag caacagaaaa gataatactg 180
 atgatgagtc tagtgaaaga ggtatatattt cacatctagg ctatccaagt gcaccaccct 240
 accctcctcc acatggatac ccaccatcag gctatccacc tccaggaggg tatcccccaa 300
 cagcctatcc accaccagca tatccgcctc ccggagtata tccgcattcc ggttactatc 360
 cttccgaata tccacctgca tatccgcctc cgggagggta tccaccact acttatactc 420
 attcaggata tcateccacca gcttatactg ccccatatgg ctatccacct gctgcacctc 480
 catatcctgc anggcgtgga gctggcatgg gaggattgct ggaggnggtg ttgctgctgc 540
 tgccgctgcc tatggtgctc accacatggc acatggatat catcgttttg gacacggagc 600
 ctaccatggt catg 614

<210> 13167
 <211> 454
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220144h11d1

 <400> 13167

gaanaanana agtggacgac ttacattgc acngcnccgg attaantgcc ggggcccaca 60
 cctcactagn ngnggggcgg ccgggnnnnn annnnnanna aaaaattttt ttttttnnaa 120
 naaaaanacc accaaaaaag ggggtggttt taaatacaaa agccaaacat gcaaaatggt 180
 gttgaaggct tacattgttc accctatgcc aaaagctcca tgaccgtgct gaaaaatcag 240
 cttccaaca tataatgcat tgtatcactt ccactatctc caacgatgct tatacttgcc 300
 aaatccaaac ctatcatgct tacaacgctt gcggaattca ccgcacatga actttccatg 360
 accatggctg gctcctgagc caaaacgaag aatctcatgg acgaaggggt gagcacaata 420
 agcaggggga ctaaaatcaa aacccttga aaac 454

<210> 13168
 <211> 388
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220144h12a1

[illegible]

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<210>      13169
<211>      526
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmf102220144h12d1
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<210>      13170
<211>      472
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmf102220145a01a1
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<400> 13170

gacaaaaatg cagagtgaac gcaaccncnn ntnnttnngg ggcannccnc nnnnnnnnnn 60
 nnnnnnnngg ggnnggggnnn nnnggggggtt tttttttttt nggggngng gnnnnntntg 120
 gggngggggg tttttttnt tttcttccca atgtcctccc tctatatata tgcataacag 180
 gcctgaattt caacaaacca catggttact acacatacca atccgcttca gccgccatta 240
 cgaccgataa tgctggcatc acaaaaacac taccacattc tgagattaat gactacgact 300
 ttgagccatg tggttattca atgaactctg atgaaggaac tgggtgctact accattcata 360
 ttaccccaca agatggattc agtcatgcaa accttgagac tgtagggact gacttcaaac 420
 agctgaatca caacgaaatg gttaacaagg tatcggcctg ttctctccca ac 472

<210> 13171

<211> 668

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220145a02a1

<400> 13171

ggtcctnaat gtatgatgcc tctgcatacc acttntngnn tnatgaagcg catccccagc 60
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 tgcggccggg tnttgggggtg tgtccttggt gcccttgagg ggtacagggc ctccaacgcg 180
 ccacatgctg acgtgtcatc gccagcatcg aacgatgaac caccctagtc ccacatcggt 240
 gccttctccg aaatgggtacc cggtttcacg ggggtgtttct tctgggggtgt cggagaagtc 300
 atcaagcatg ttgtttgagg ttaaagatgg agcttcggaa gcatttcctt gggacaatag 360
 catgctgtcg tggcagagaa ctgcttttca tttccaacca gagaaaaact ggatgaacga 420
 tcctaacggt cctatgtact acaagggatg gtatcacttc ttctaccaat acaacccgaa 480
 cgggtgcagtt tggggtgaca tagtttngng acacgcagtg tcaagggaca tgatccactg 540
 gcttcacctt ccactagcaa tgggtggctga tcaatgggtat gacatgcaag gtgtgtggac 600
 aggctcagcc acgatcttac caaacggtga aatcatcatg ttatacacgg gttccaccaa 660
 cgagtcag 668

<210> 13172
 <211> 635
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220145a03a1

<400> 13172

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 aaaaaaanaa anannaaaaa aatttttttt ttaanaaaan aannnataa ttntaggggtt 120
 gggtttttat tttttaaaat atttttatta ttataagttt gatgagaaat aaaaaaaccc 180
 ttctaattgga aaaactctaa aattaggggtt tgttttcccc aaaaggagag aagaagaaaa 240
 aagaaggaag gagggagggg atgatgaagc ggctgttggg tgggcccggg acgattagcg 300
 ggttcctgtt gaggtttggg caatgcgcac ttggtgccgc ttcgattgct attatgggtca 360
 cttccttttg cttctctagc tacaccgctt tctgctattt aattgcatca atgggacttc 420
 aagtgtcttg gagctttgga cttgcatgtc ttgatattta tgctttgagg agaaagagag 480
 acctacaaaa tcctattctt gtcagcctgt ttgttgtggg tgattgggta acagcgactn 540
 tatcacttgc cgctgcatgc tcatcagcag gaattgtagt attatacaca agagacctga 600
 ctgcatgcgc gactagtaag catctcacat gcaac 635

<210> 13173
 <211> 169
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220145a04a1

<400> 13173

gaaggatgaa aatgagatac cttatatttc tctccaccaa cacaataata gccctcctgc 60
 tgaacagaac tatggccctc tttatgtggt aaattagact tgtgtatcac tagcatagtt 120
 gcaaattgtg gtgacacaag cttcattgag aaaaggctct ctaatttgt 169

<210> 13174
 <211> 338
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220145a05a1

<400> 13174

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tttcaagggtt tcgtcttttt tgggtattttt cttttcacgg ttggattctt tcatagctca 60
cccatcttcg attttctttt ctcaacctat atcctcttat gtttcaatag ggtttctata 120
ttattttcttc cccccccccc cccccagaaa ttcataaatt cgtggaagtt cgcaggctcg 180
tttggtcccc tccccctttc tctccctett ctctctattc ttccctccgct catecccttc 240
tccccctttc acccctccct ctccctcttt ctctctcttc ctatcctctc tttcttctcc 300
ttatccctct tccttttctt tcccttcate cccctttg 338

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<210> 13175

<211> 408

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220145a06a1

<400> 13175

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tttcaaggac tcgtctcttt tgggtattttt cttttcacgg ctggattctt tcatagctca 60
cccatcttcg attttctttt ctcaacctat atcctctcat gtctcaatag ggtcactata 120
tcattggttc cccccccccc cccccagaaa tggtattaca tcgaggaagt ctcgaggctc 180
gatttgggta cgtttggttc atgctagggg tagggctagg cgtccattag gcaatggatc 240
tgcggcacgc aaatgggagt ggtgatttac gtacccgatt caaatctatg tttggccctg 300
ctgcactgag caagggacac tggtgtttt tcatctatac ggagacaaag catcaaaagg 360
ttaacttttt cattttattc tcccaacagg aagtcgattt taggatga 408

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<210> 13176

<211> 530

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220145a07a1

<400> 13176

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ggaggagctt cctgtttcca tttcctctca cttaaatac ttattatgaa cacacgaaaa 60
gacatggacc ggatcaaagg cccatggagc ccggaggagg acgaggctct gcagaagctg 120

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[illegible]

<223> Clone ID: jC-gmf102220145a11a1

<210>	13181
<211>	612
<212>	DNA
<213>	Glycine max

6056

<210> 13183
 <211> 387
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220145b03a1

<400> 13183

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 tggacagaac tatggccctc tttatgtggt aaattgactt gtgtatcact agcatagttg 120
 caaattgtgg tgacacaagc ttcattgaga aaaggctttc taatttgtat tggatgttat 180
 gggagaattt tgctggacaa tgtaatagaa caactctttg tgagaaaaag aatattattg 240
 cttttgattt tgaatgagtt aaaaaaaaaa aatatagtcg ataaccgata aaaataaaag 300
 aataaattgg gccttcggtg gcatgagatg tggcctccct cactgataaa gctgggtatct 360
 caaggggaca cataaccccg gggggcg 387

<210> 13184
 <211> 197
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220145b04a1

<400> 13184

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 tcattgaatt cttttttcaa atgatatagt gatagttgat gaatcaagag aaggactaaa 120
 ttccaaagtt aattgtggag agaagcttac caatgggttt tttattaagt tcgattaata 180
 cctcttttac tcctttt 197

<210> 13185
 <211> 163
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220145b05a1

<400> 13185

gagttgccca agtgggaaga agatcccaat ttttactcta aggctagatt taagcaaata 60

attaaagacc ttgcagacaa atatcatact gagaacttgc tgcttgtcac acacggagaa 120
ggagatgcag tggctctgtc ttcattcaaa caggatgctt cag 163

<210> 13186
<211> 460
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220145b06a1

<400> 13186

gttagaagtg ggggaatgga agagaaatac tctagcctgg aaattgtgga ggagagccca 60
aactcgggtg tgttctttct tatcttaaata cgtccgtcac gacggaacgc tctctcgcgc 120
gaattcttca gcgagttccc gaaagctctg cacgcactgg atcacaaccc ggaggtgaag 180
gtgatcgtgt tgtccggcgc cggggaccac ttctgctccg gcatcgacct ctccctcctg 240
ggatcaaccg ccgcgagttc ggggttctcc ggtccggcg aaacctccg gcgagagata 300
atggcgatgc aagacgcggg caccggccctg gaacggtgcc ggaagccggg gatcgcaagc 360
gtacatgggg cgtgcatcgg cggcggaatt gatatagtga cggcgtgcga cataatgatg 420
tgcagcgagg aggcgttttt ctccgtgaag gaagtggatt 460

<210> 13187
<211> 548
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220145b07a1

<400> 13187

gattccacaa cagtgggagg gagatccaaa ttgagagagt ggaaaagatg gcgcggttga 60
tcacagtggg gtggtgcgcg gtggcggtgc tattatgcgc cgcggccggg gcgtcgtggg 120
tgaggagggc ggcgaacccg atacgaatgg tgtctggcgt ggaggcggag gtggttcggg 180
tgatcgggga gtgccggcgt gcgttgaagt ttgctaggtt cgtgagcagg ttcgggaaga 240
gttaccaaag cgaggaagag atgaaggaga ggtacgagat attctcgcag aatctcaggt 300
tcatccgctc ccacaacaag aagcgtttgc cctatactct ctctgttaat cattttgctg 360
attggacttg ggaggagttc aaaagacaca gactaggagc tgcccaaaat tgctctgcca 420

ctcttaacgg caaccacaag ctcaccgatg ctgttcttcc tccaacgaaa gactggagaa 480
aagaaggtat agtgagttca attacagatc aaggcagctg cggatcatgc tggacattca 540
gcacaact 548

<210> 13188
<211> 479
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220145b08a1
<400> 13188

tgttagcctg ttttcagcag catcttcttc tgatgggagc agtactaatg gtggaggacg 60
acacggctct aatattaaca aacctgagaa tgttcaactg gttgatctgc gcatagcata 120
taattgtgaa ataatgctct ctaaaatcaa aattcctttg ccagatatgc ttcaggacaa 180
ttttttctgg atcattccac cccctattga atctcttttt tttaccgcta cttggagtgg 240
gaactttgac ccatttggtg aattgattac tttatattga atcctcaagc aaaaatggaa 300
tgataacaag ttccgtggcc gattggattt actccttttt taattgaata gcaaattcaa 360
gcattagtat tgcaatatag gcacaaatgt cactcattga tgcttctaata tttcttcgaa 420
ttgcaactct ggcattggat tctgcagttc tcgatattga tcaagctgcg aatctcatc 479

<210> 13189
<211> 191
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220145b09a1
<400> 13189

cttcttgcaa gcatttcatt tctctcttcc tctctttctc tctctttggg agaaaaccca 60
ctcttctttt ctctctcttg cacacatata cacactcttc ttttttatcc ccttcttcac 120
tccactgccc agcttcgccc tgtgcatcgc tcaccgtttg cagtagcttc tctactacct 180
acttttctcc t 191

<210> 13190
<211> 134

093030

<400>	13190
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<210> 13191

<212> DNA

<400>	13191
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<210>	13192
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<211> 483

<212> DNA

<400>	13192
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6061

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catattgaag gtgcatgccca tgaataaatt ttttctgtct gaggaggaag aggagactct 180
acttcaggaa attgctgata tgacagaaga ttttgctggg gccagctac aaaatatact 240
gaatgaagct ggaattgtga cagccaggaa ggatgtggac tacattggac aatatgagct 300
gcttgaggca ttaaagaggc aaaagggaac atttgaaact gggcaagagg ataataccga 360
aattcctgaa gaattaaaac tgacattggc atacagagaa gcagctgttg ctgctctagc 420
atgttattat cccaagcccc accgaccttt tattgagact gctatgaagt ctatacgagc 480
gca 483

<210> 13193
<211> 171
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220145c03a1
<400> 13193

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tcacccttga ggtggaaagc tctgacacca tcgacaacgt caaggccaag atccaggaca 120
aggaaggaat cccccggac cagcaacgtc tcattttcgc cggaaagcaa c 171

<210> 13194
<211> 163
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220145c04a1
<400> 13194

atttccttac ctctcccttc aagatgcaga ttttcttcaa gacctcacc ggcaagacca 60
tcacccttga ggtggaaagc tctgacacca tcgacaacgt caaggccaag atccaggaca 120
aggaaggaat cccccggac catcaacgtg tcattttcgc cgg 163

<210> 13195
<211> 190
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220145c05a1

<400> 13195

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tgtgcggtcc atcttcttta ggccattctt ccataaaaac acaaaaagac ccacagagag 120
gaacatggca tgtccagcaa tggcaaatgg gaacgggtca ttgaagaacc tgaagctaaa 180
tgtcacccac 190

<210> 13196

<211> 371

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220145c06a1

<400> 13196

aaattgcgct gtatgtagtg agggtccttt ttttcatttt catcaaccat aaattttctc 60
tttgcggtgcc atcttcttta ggccattctt ccataaaaac acaaaaagac ccacagagag 120
gaacatggca tgtccagcaa tggcaaatgg gaacgggtca ttgaagaact cgaagctaaa 180
tgacaccaag ggaaagacca tcacttgcaa agctgccgtg gtatatgggc ctggagagcc 240
ctttgtgggtg gaaaacattc ttgttcatcc tcctcagaaa atggagggttc gaatcaagat 300
cctctacact ctcatctgtc acaccgatct tctcgcatgg cgaggcgtga accaagctca 360
acgtgcttat c 371

<210> 13197

<211> 425

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220145c07a1

<400> 13197

atcaaacatg gttcgtgatt cttcaaaatc tttgactcgg acgtcaaagg ttatgaaact 60
ggctgaggga gggagcacc cttatctctgc acggatttcg gatatgcctg tgaccaatgg 120
atcatctcat atgcttgcaa gatgctcatt acctgaacat gcagctgcta atgcggaagg 180
gcattactct gagcaacact cttatgagct cccacccgat gaggagtctg ctctgctgca 240

acaagtattg aatctgactc catagcaatt aagctccttg ccaccagatc agcaacatca 300
 ggtccttcag ctccagcagg ctctttggcg agatcagata cagtcctcat aacagggaac 360
 tcactacga tgtaaaaata gcatcaactt atttgtatac tagcattcgc tagatattag 420
 ctcca 425

<210> 13198
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220145c08a1

<400> 13198
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 ggctgagga aggagcacc ctctttctgc agggattttg gatatgcctg tcaccgatgg 120
 atcatctcat atccttgga gaagctcatt acctgtacat gcagctgcta atgcggaagg 180
 gcattttctn tgnnttnnnn nnnnnnaaaan cccaccgat gtggagtctt gtttgctgca 240
 acaagtattg aatctgacac cagagcaatt aagttccttg ccaccagatc agcaacaaca 300
 ggttcttcag ctccagcagg ctctttggcg agatcagata cagccctcat aacagggaac 360
 tcactacaa ttcaaaaata gcatcaactt atttgtatac t 401

<210> 13199
 <211> 318
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220145c09a1

<400> 13199
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 gaagattcag tgtgatgtgt gtgagaaagc ccctgcatcc gtgatttggt gcgcagatga 120
 ggcagctttg tgtgccaaat gtgacgttga agttcatgct gcaaacaagc ttgcatgcaa 180
 actctatttt tttttatttt tttcttcttc ctcttattt tcactttttt ttacattatg 240
 tcaagataag ccagctttca tattctgtgt tgaggacaga gcactctttt gtatagactg 300

tgatgagcca attcattt

318

<210> 13200
<211> 563
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220145c10a1

<400> 13200

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gaagattcag tgtgatgtgt gtgagaaagc ccctgcaacc gtgatttggt gcgcagatga 120
ggcagctttg tgtgccaaat gtgacgttga agttcatgct gcaaacaagc ttgcaagcaa 180
gcaccagagg cttctccttc aatgtctatc aaacaagctt ccagatgtg acatatgcca 240
agataagcca gctttcatac tttgtgttga ggacagagca ctcttctgta aagactgtga 300
tgagccaatt catttagcca gtagcctttc tgcaaaccac cagcgcttcc tcgctactgg 360
tatcagggtg gctttgggtt ctaattgcac cacaggccat gaaaaaggta acatggaacc 420
atctaacca aatgcacaag aagttcctgt gaaaactcct tctcagcaag tgcctagctt 480
cacatcctct agggcagttg atgacttggt ggaattaaca gactttgaat cgccagacaa 540
aaagcaatcc ctggaatttg gag 563

<210> 13201
<211> 158
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220145c11a1

<400> 13201

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gggggcggta tgcattggtc actccgtcgc cttctggatc cgtcgatccc tctctgtagc 120
ttcacctacg cacaccctgt aatggcgacc acgagata 158

<210> 13202
<211> 543
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220145d01a1

<400> 13202

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taaagaagca tttgaaaagg ctcaatgctc ctaagcattg gatgcttgac aaactgggtg 120
gtgcatttgc gcctaaaccc tcatttggaa ccacacaaat cgagggagtg cctccccctc 180
attcttattc tgcgaaaccg gctgaagtat gctctgacat accgtgaagt cattgctatt 240
ctgatgcagc gccatgttct tgttgatggc aaagtcagga ctgacaagac ttaccctgct 300
ggtttcatgg atgttgattc aatccccaaa acaaatgaga acttccgcct gctctatgac 360
actaaaggcc gattccgtct tcattccatc agggatgatg aggcatagtt caagctctgc 420
aagggttaggt cagtacagtt tggccagaaa ggtatcccat acctgaacac ctatgatggg 480
cgcacccatgc gatacccaga cctctctatc agggccaatg aactgttaa gctggatctg 540
gag 543

<210> 13203

<211> 600

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220145d02a1

<400> 13203

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cgaattattg ttcatttttt tgtctctact gtcgtgctcc aacttggtta actagaagtt 120
catttattgt tttcattctt caatggggga tgctgagaat gcccttcac ctacaaagaa 180
aagggtgct ggaaggaggc tcactcgaga cactcccat gatgatgagg aagatgcccc 240
cgagcttgag actggcactt tcaagagagc cagtgaagag gttctggcaa ccagaaggat 300
ggtcacaatt cgtcgcaaac agactaattc tgctccttct gcaaatacctt ttgctggaat 360
acgcctgggt gctccactg aatcatgtga taatcctgct gagattacta ctgaagtaca 420
atcagctggg gagaacgctg tttcacatga ttcaaaaagt gatgaaggta tagctaagga 480
ttccaagaaa gctgaagatg ggaaaactaa gcagtcagag ttcaaactctg atgaggcaga 540
ggataaagct acttgaggta aggatgctgc agaagaaaag catgcaaaca aagagcatac 600

<210> 13204
 <211> 174
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220145d03a1

<400> 13204

gacaacaaca actattggag catggaggat atctgggtcaa tgcaattagc caattactga 60
 acgggaatta aacctataaa cataaatata aataatatat ataaacctaa gtgtctaagt 120
 tccataaatt aagctgtagt ctctggctta aaacatgtta ggtttgttta taca 174

<210> 13205
 <211> 135
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220145d04a1

<400> 13205

gccttattaa agaccaatgg ttaacttttg ttttgaaggg cggctctgct agaataaaca 60
 gtgatgagat cactgtttta gataatgatg cggacaatgg gtgtgacatt gatccacatt 120
 aagcacatta aactc 135

<210> 13206
 <211> 164
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220145d05a1

<400> 13206

ggttgatggg tcggcgaaag aacaacagca tctacaatca gtgctcctca agcaaggaag 60
 acgctgacat gaatagcaac caccttcggt ttgaagaagc tgacgaggct gtcgacgaga 120
 gttccaacct cgaccaatcc atgtgcgaca tcgaagaatc cgat 164

<210> 13207
 <211> 460
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220145d06a1

<400> 13207

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 acaaaggaag gcacattcga aggatctatg caatctcttt gtttgtggcc atatgcttca 120
 tctgggctta cagattgagc cacatacccg catatggcaa atgggcttgg cttgggtttgt 180
 ttgctgcaga actctgggtcc ggtttctatt ggctcttttg tcaagccctc cgctggaaca 240
 tgctgttcag aaaaaccttc atcaatagac tctctgaaag atatgagaat agcttgccga 300
 gagtggacat gtttgtgttc acggcagacc caatcattga gccacccatg atggtgatta 360
 atacagtgtt atctgtgatg gcttatgact atccagcaga gaagctcagt gtgtatctct 420
 cggatgatgc aggctcagac ataactttnt atgctctttt 460

<210> 13208
 <211> 416
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220145d07a1

<400> 13208

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 tagatggtag aatgatggct ccatctactg catttacaaa gatctggcgg atgcgcaata 120
 atggcactat agtctggcac aagggaactc aacttgcttg gattggagga gacaagtta 180
 gtgactctca ttcagttgac ttagagggtc ctgaggatgg tgtccctttg gagaaggaac 240
 ttgacattgc cgttgacttc acagcacctc cattacctgg tcgttacata tcatattgga 300
 ggatgacaac tccatctgga catcaatttg gccaacgtgt ttgggtcctt atacaggctg 360
 atgcctctct caaggactca ttttatgata actctcaagg tctgaacttg aatatt 416

<210> 13209
 <211> 471
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220145d08a1

<400> 13209

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 attgacaagt caattgagaa accttcttgc agctctagag gctgaggaag cagcccaaaa 120
 atccaaaggt aaagtgaaca catacaccaa ccatggcgat gggtttcaga acattactgg 180
 gtttnanatt attanttatt nnttttatat ttttaanaat taatttttat taattttata 240
 tatactgtgg tgggtccgct ataaataata ggggcaattt ccagggacat ggcaatggag 300
 gctttattgg tggtaatctc gatgcctcaa cgaggaacta ctgattaatt tatgtatgat 360
 caacttcatt tattaataac tcgtgttctg cgctacgcnt actaattaat aataaaatta 420
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<210> 13210

<211> 177

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220145d09a1

<400> 13210

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 tcttggttg tggtgttagc tgagaagtag ccttggttg aggagttgag gctcaagaga 120
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<210> 13211

<211> 482

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220145d10a1

<400> 13211

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 ccgggtcggg gtcgaagggc ggaacggact ctaagatcgg gctgaagctg tacgacaagt 180
 acggctacta catctacatt aaaaacctcg aagcatgggg cggttgatg ggcaagggct 240
 acgactactt ggagcgcggc aacctcgaca tcttcagcgg aaggggaccc tgtcttgacg 300

gacccgtctg tgccgtttac gttactttctg acggatcggg ttctcaccac ggctggtacc 360
 ttaactacgt ccaggtcacc tccactgggc cccacctttc ctgcgctcag gatcagtacg 420
 aagtggagca gtggctcgct ctgcacactt cgccttacca gctttgggcc gttaggaacc 480
 ac 482

<210> 13212
 <211> 559
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220145d11a1

<400> 13212

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 agttgtgggg atgaagaaga cacttgtttt ctacagaggc aagcctctc atggatccag 180
 aactgattgg atcatgcatg agtatgcct caacatcctt aagcctctc agagccatgt 240
 tcccatggaa aattgggttc tatgtcgc atttttgaag aagagaagcg gtgctaaaaa 300
 tggggaggag agcaacaagg tgaggaactc taaggtggtt ttctatgact tctagcgca 360
 gaacaagact gattcctcat cctcggccgc cagtggaatt acacatgaac atgaatcaga 420
 tgaacatgac catgaagaga gcagtagctc caacaccttc ccttatacta ttagaacgaa 480
 accttaacaa ccaagtcaac aaccaccttc cttaaaaaag tgattatcac ctagtttttt 540
 tttttttaat tctctttcc 559

<210> 13213
 <211> 568
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220145e01a1

<400> 13213

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 ggagccaaag atgcagcaaa aatggagaa caattcaatc actaggaggc ctccaactgc 180

tcagtttagat aaatccaagc gttcagatga cgatgcagtc caagtaaagc tagaagccac 240
 caagagaaaa cttcaggaga gctatcaaca agctgaaaaa gccaagaggc agagaacaat 300
 acaagttatg gaaataaacg atcttcccaa gcaaggtttg caccgaaata cacatttcaa 360
 acctggatat cacagtaggc attgggctaa tggtcgaaga taaagctatt attctatggt 420
 ggaccttcag atttaacagt atttccaagc tgtttggtcc aatgggttga agattgggtcc 480
 ccttgattgt agaaaataac aaaatccatt caccatttgg acttgcatag aaatattcca 540
 attgagaggg aagtaaacct ttaaacac 568

<210> 13214
 <211> 418
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220145e02a1
 <400> 13214

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 acagctgatt tctggcctgg cagaccccca aaatcaaatg tgcagtgaat aagttatatg 120
 gagccagaga tgccacaaac aaatggagaa caattcaatc actaggaggc ctgcatctgc 180
 tcagtttagat aaatccaagc gttcagatga cgatgcagtc caagtaaagc tagaagccac 240
 caagagaaaa cttcaggaga gctatcaaca agctgaaaaa gccaagaggc agagaacaat 300
 acangttatg gaaataaacg atcttcccaa gcaaggtttg caccgaaata cacatttcaa 360
 acctggatat cacagtaggc attgggctaa tggtcgaaga taaagctatt attctatg 418

<210> 13215
 <211> 241
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220145e03a1
 <400> 13215

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aatggaatt atttgttttc ttattaggcc tatcctgaag ccaaaggaaa tgagatcgga 180
 attcctcggg gaattccaat tccacatttt caagaaatat ggaggcaaaa atgttcattt 240
 a 241

<210> 13216
 <211> 248
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220145e04a1

<400> 13216

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 gateccctcg gggaattcca attccacatt ttcaagaaat aaggaggctt atatgttcatt 120
 atatgaattg gaattatttg ttttcttatt aggctatcc tgaagccaaa ggaaatgaga 180
 tcggaattcc tcggggaatt ccaattccac attttcaaga aataaggagg caaaaatgct 240
 catatatg 248

<210> 13217
 <211> 185
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220145e05a1

<400> 13217

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 ttcattttct tcatcgtcat cataaagttc gttcctttct cagttttcac ccatacccag 120
 atgagtaaca gcaccatctc ggatctgtgt ccctcctttg agtgaaaaag ggtcaatctc 180
 tggcc 185

<210> 13218
 <211> 351
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220145e06a1

<400> 13218

002220145e05a1

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 ttcattttctt tcatcgatcat cataaagttc gttcctttct cagttttcac ccataccag 120
 atgagtaaca gcaccatctc' ggatctgtgt cctcctttg agtgaaaaag gttcaatctt 180
 tggctctctgg ggctgttggg gttccgcat tgaagaagaa gaagaagatg ggtattattg 240
 ctattataat catgtacccg aggctcatc acccccacga tgggattgtg acccagatg 300
 agttgcaggg tgggtgctgct tccaacctct ctcacgtca caagggggac c 351

<210> 13219
 <211> 519
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220145e07a1
 <400> 13219

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 aagatctgag cagtctttaa ggagaagaaa tggtttggct gacttaaag aacctgttcc 120
 ggtggaagaa acatataatt ctccatagt tcacctactg aatcgtaatc cctgtcaagg 180
 ggcaactgaa tgctctgata tctctgctga tgctgcaaaa caaaagtcag acttttttgc 240
 tctgtctagg gagcaattgc tcaactctga tcatggaact gaaagttgga ctggaagtca 300
 tgaatatttg gagagctatg ggggcggaaa agggcggat caatcagtgg ctgagtcagg 360
 gctagctaaa agcaacacgc accctgttcc acaactgctc atatcagtat cttcccagac 420
 aatacatgat gcacttagca tagttcgtga acctgcatct gattatctac atggtcgaaa 480
 catggctgac atgtggaggg acaagacagt tagtgatta 519

<210> 13220
 <211> 165
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220145e08a1
 <400> 13220

gggtgatgca aaactttttt gcggcattgg tgtgaagact ggctgccagg aggacacttc 60
 aagatctgag cagtctttaa ggagaagaaa tggtttggct gacttaaag aacctgttcc 120

165

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<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220145e09a1
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ggatggcgaa	gttcaatgtg	gtgcagaagc	gaaggagagc	tctaatagca	gagaagaaga	120
gacagcttca	cggagaccct	ttaaccggca	agctcaagat	caaggaccaa	ccccctttcc	180
tatnctaaaa	tntntntctc	tttctctttt	tcttttttct	tcttttttct	tcttctctcc	240
tcctaaatgg	tttggttaacc	atggaagatg	ttcaaattggc	agttgctgaa	gcaggggata	300
ccaaagatac	ccctagacct	tcaccaaaaa	ttcacttata	gaagaaggcc	ttgaaactta	360
aacagctcaa	gcgcaaaggg	aagaacacaa	gaaaatctga	tgtgcctgct	gatgtttcgg	420
ctgatgcaat	ggtggaataa	atatgaaaag	ttttgatatc	ctacatactt	ggta	474

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<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220145e10a1
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gacagcttca	cggagaccct	ttaaccggca	agctcaagat	catggaccaa	ccnctttccc	180
tatccgga	acgcaaacgc	aagctcttca	aaaaatggcg	ccgggaccaa	aaggacgcct	240
tacagaatgg	tttggttaacc	atggaagatg	ttcaaattggc	agttgctgaa	gcaggggata	300
ccatagatac	ccctagacct	tcacacaaaa	ttcacttaaa	gaagaaggcc	ttgaaactta	360
aacagctcaa	gcgcaaaggg	aagaacaaaa	gaaaatctga	tgtgcctgct	gatgtttcgg	420

ctgatgcaat ggtggaataa atatgaaagt ttgatatcc tacatacttg gtaggggtgga 480
 ggatagaaga ggccgatgtc tgatgggtata taatgttgca atcctcgagt gaatatgcta 540
 ttcctatatt ttcttc 556

<210> 13223
 <211> 581
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220145e11a1

<400> 13223

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 taagctaaca gactgcattg agaaggctaa tacaaggctt ggttctgtgg taagatattt 180
 ggtggaaggg caggaggggtg atggagattt tagaaaggaa gcatcagaac ttcttaattc 240
 aattgatttt aaggtaaaaa agccgttatg caattgtcta attgatcttt gtgtcagcct 300
 gaatgcgccg aacagagcac gtgacgttct ggaccttggga ctgatgcttg agatatataa 360
 aaatatacaa tccagatctg aaaccagtg gtctttgcat ttgaagaaac tctcagttgg 420
 agctgctata accgcattac atgtttggat aaatgacttg tctaaggcat tggaatcatg 480
 ggaagacctt ccaccactgc ttggagttaa tactggacag ggaaaacaca tgtattcaga 540
 ccaaggggtt gctagtgtat ttgaatacat ttgaggggaac t 581

<210> 13224
 <211> 450
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220145f01a1

<400> 13224

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 aagggtagac tttaaatca accacagctc ctttctcga tcactttctt tcatgctttt 120
 tatgctttca acgagctccc ttacccac ttaattttac tctctactca ccattctttg 180
 tgtcaggcct aacacaattc aatctaactg accagtggac tctcatctac cacctatact 240

ataggccccg gtataaccct gtttcaactca ccctcattgt attgttccct ctgcatcaac 300
catcgacgtg cgacatgaga ccacgcatgt tgactacagg atgtcagcca agaccgacta 360
aagatagtcc tcatcaaaga cgaaagtggg ctgttatggc tacaaagtaa tctgcactgc 420
agcatatgaa ggctatgaac ctgatgtgtc 450

<210> 13225
<211> 621
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220145f02a1

<400> 13225
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atctccttcc aatggcttcc attcccacac tctcttcacc cctaccacaa atctctgtgc 180
actcctcacc ccattcaaac ccaaacaacc actgcactct ctctcccacc tctctcttcg 240
gcaccaggat caccctccta cgcgccacct catcgtctcg ttccctcccc aacaccaatt 300
gccgtgac atcagccacc gtgtcgttta gcctcccccac cccgaaaccc ctttcagata 360
cgcttgagaa aaccccaaag tggtcggcga gggctataaa gtcatatgca atgggggaat 420
tggaagcgag gaagctcaag tatccaaaca cggaaccga ggcacttctc atggngattt 480
tggttgaagg aacaagtaaa gctgcaaaat tcttaagagc taatggaatt actctcttca 540
aagtacgtga agaaacagta gagctactag ggaaatctga tttgtatttc ttcagccctg 600
agcatcctnc attgactgaa c 621

<210> 13226
<211> 168
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220145f03a1

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gacacctcct gcctctacca aatcctatctt ccttggtggc gcaggggtga gaggggtgaa 120
tattgaagaa gaatttgtaa agttcacggg aataggtgtt tatttgga 168

<210> 13227
<211> 88
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220145f04a1

<400> 13227

gttcaggga caaccgaac actctctctt atataagcgc aacataatag atgaagaggc 60
cggtcaatac atagccgtcg aaaagccc 88

<210> 13228
<211> 185
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220145f05a1

<400> 13228

gcggcgcaca gaaccggtg aaggcttgaa gtctcacccc gacgccgtcg aaggtaagtt 60
accttcttta ttgttttcca aacgtttttc cgaagtcttc tagcactggg agaagagata 120
aaaacaagtg ttctgcgttt gcgttgctta aaccttagaa agagtttgat tttgacgttc 180
tcgac 185

<210> 13229
<211> 166
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220145f06a1

<400> 13229

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gtcaatttca cctccaaacc ccaaaccctc tcaatttcta cctttcgtgg tcgaagccaa 120
agacaggacc cgcagggaag acaggaccgc tcgccacact cgcac 166

<210> 13230

<211> 322
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220145f07a1

<400> 13230

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aagcacagca aactcttgaa atagcagaag ctaatttgaa taaggcggaa tgctaaactc 180
ctattctttt ctttttttta tctttcttcc tctttccctt catatcttct cttatctttt 240
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ttttttttca atattttaat tt 322

<210> 13231
<211> 185
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220145f08a1

<400> 13231

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ttcctttatt taggtttttt ctttctcttg tttttcagtt ttgcttccat ttcctttgaa 120
tccccattta ttcttcttct tctgcaaccc taacctaga attgaagatg cagccttata 180
ggttt 185

<210> 13232
<211> 175
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220145f09a1

<400> 13232

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ttctcaaagc aaaaaaatg ttcacgaga gtttcaaggt tgagagtcct aacgtgaagt 120
acacagagac tgagattcag tccgtgtaca actatgaaac cactgaactt gttca 175

<210> 13233
 <211> 527
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220145f10a1

<400> 13233

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 gcagcctcga cttcggcgag cgcaacggct acctcaaggg cgtcgtcacc gacatcatcc 180
 acgacccccg tgcgggcgcc cctctcgcca aggtggcatt ccgccacccc ttccgctaca 240
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<210> 13234
 <211> 578
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220145f11a1

<400> 13234

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 aattgtggat atcacatcag aactcaagtg gttccattcc cttcagccca agttggtctc 240
 attgatggac ttgaaaacat gaaagatgcc actaccctag aaatgttggt taaaatcggg 300
 tatggactat caacgctcca agatgaaatt gagcttcggg ttcaagacct tcaaccagat 360
 tgtatagtga ctgatatgat gtatccttgg acagtggaat cagctgaaaa actaggcatt 420
 ccaaggattt tcttttacag ctcatgctac ttctccaact gtgcttctca ttttatcagg 480

aagcatagac ctcatgagag cttagtctct gacagccaca agtttacaat tcctggtttg 540
cctcatagaa tagagatgac cccttcgcag ctagcaga 578

<210> 13235
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220145g01a1

<400> 13235

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catctatacn aaagggggcc ccatggcccg gtggcctagg gcaaggagcg tcaatttaat 180
gccatccatc accctaacaa tttaaacac cttatatatc ctaatcacac tctatcactc 240
tacacttatt tttctggtta tgcactgtgt aatggtataa ctctttatac ctctgcacct 300
acagatctga gttgcatag aaccttgaac gggcaccccc caacggtgaa tatatctgac 360
tgtacatgtg aaaacactct gatggctgtt gcataccaag 400

<210> 13236
<211> 334
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220145g02a1

<400> 13236

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aactgtttct tatgggggtcc ccaaccacgg cttactgaag gcgacggacg gtgataaact 180
gcaacctatt actgttaagg cttctaacag tggttactgt ttcagcgcca tatcctgctg 240
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atagaacgac gtgggccaag aagtagggga ggcc 334

<210> 13237

<211> 309
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220145g03a1

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 gatcatgctc tttggcgta gagtcgtggt ggactccatg cggaagagtg tgagttttca 180
 ccacctctc tannatctct ctatcatttt tgagattctc acttaattta tcctttcaga 240
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 cgagggatt 309

<210> 13238
 <211> 174
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220145g04a1

<400> 13238
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 gatcatgctc tttggcgta gagtcgtggt ggactccatg cggaagagtg tgag 174

<210> 13239
 <211> 171
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220145g05a1

<400> 13239
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 aggatatcgt atttgatgga cgagatctgg gagagagcta tggaaacggc g 171

<210> 13240
 <211> 485
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220145g06a1

<400> 13240

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 ggcgatactt aaaacaagcg ttgggggggc ttttaagacgg tgcggttttg tatgagacat 120
 aggatatcgt atttgatgga cgagatctgg gagagagcta tggaaacggc gttggacggc 180
 gagatggacc acgcggtgtg tcggacgctt accctatatc tgttccgttt attgcttgta 240
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 gcgaacgtct gcgtttcgtc gctggagcag tttccgcggc tgaggaattt gcagaagctg 360
 aacctctccg acaaccggat cgcacgcggg ctggattttc tcgtgcaggc agtgctggat 420
 tcgctgcgcg acctcgattt gtcgaacaat cggattcagt acattgagga tctcgcgccc 480
 ctgcg 485

<210> 13241
 <211> 335
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220145g07a1

<400> 13241

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 aaagatatga gtctctagag aacccttttg ctcataaacc gccgcgtag cggtctcttt 180
 ttttttctt ctctctcttc tcttcttttc tctttctctc ctctctttct ctctctctct 240
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<210> 13242
 <211> 183
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220145g08a1

<400> 13242

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agacaatgaa aaaattaatt actcatttcc ttgaatgtgc tatgcccaca atcccatagg 60
atcaatcaga taatcatata atgcaccacc atatatcatg acaactcacg aagcatatgt 120
gcctataaga tatgagggtc tagagatccc ttttgttcat aaaccgccgg gattgatttt 180
ttt 183
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<210> 13243

<211> 200

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220145g09a1

<400> 13243

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tcgtagaaat gaaaaccttc taaccagtgg cactcatttg ccagaaagcc ctcgagtacc 120
aatggagttt ctgtcaagat catggagtgc ctcttctctt gaggactcta aagcccttac 180
tactttatat ttctattttt 200
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<210> 13244

<211> 427

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220145g10a1

<400> 13244

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tcgtagaaat gaaaaccttc taaccagtgg cactcatttg ccagaaagcc ctcgagtacc 120
aatggagttt ctgtcaagat catggagtgc ctcttctctt gaggtctcta aagcccttac 180
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ttctgtgact aactccattt ccgaagaaac ttcagaggaa ttctcaacca tgtgtggcaa 300
ccagttctct tttgcttctt ctgccacctc acaacttgtc cttgaccgca taatgtcaca 360
gtccgcaaga gaggaagtgt ctccattaac gtcaggtaga ttgtctcata gtagtgaacc 420
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tttgaac

427

<210> 13245
 <211> 410
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmfl02220145g11a1

 <400> 13245

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 cgtctgtcat ctaggctaag cacacatgga atggcatcca ttctatatga tactatacaa 180
 atgcctcatg cattgtggac ttacgcttca cacgatgtgc gacacgagcc acataacaca 240
 cataatggca agtgggcttg gttggatttg gttgccacac aacgctgcct cattatctat 300
 tgctctcttg gttctgacct agtctgttac ttgcggtgta gataagcccc gatctctatg 360
 ctctgtaaaa catatgaaca tagcttgccg agagcgaccc agatttgtgtt 410

<210> 13246
 <211> 650
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220145h01a1

 <400> 13246

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 aaaaaaanan anaaaaaann nnnanaaaaa nnaaaaaana aaanaaaaaa atTTTTTTTT 120
 ttnnatanaa nanaaaaanat aataattatg gggggggatt tataaattta atgttaagtg 180
 aattttaaag aataagactc ctaacattgt ccaaagacca attggacaga ttttaaccaa 240
 cagagtgcag tattgttgca tcactttcaa acgattatgt tgactcttat gttctgtcag 300
 agtcaagcct gttcatctat ccttataaaa ttatcatcaa aacttgtggg actaccaa 360
 tgcttctgtc catccctgtc atcctcaagt tggtgatgc tcttgacatt gctgtgaaat 420
 ctgtgaggta cactcgtgga agtttcattt ttcttggggc acagtctttt cctcaccgca 480

gtttttcaga ggaagtttct gttcttgaca gctatttcag caaccttggc tctggtagca 540
 aagcttatgt tatgggtgac ctttcgaagt cacagatttg gcacatctac tctgcaagtg 600
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<210> 13247
 <211> 617
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220145h02a1

<400> 13247

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 gacagaatct atgattatga tgtcctttaa tgatttgggc aatccagatg gtggtgatcc 180
 tcgccaatc cttggtgggt ctagcatcta tccctaccct cgcaggggta gaacaggaag 240
 agaaaggacc aggacagatc ccaacagtga gaaaccgggc gaggtttatg ttccaagaga 300
 tgaaaattct ggtcacttga agtcacgga tttccttaca tacggaatca aatccttacc 360
 tcacgatgtg atacctttgt tcaaactctgc ctttttcaa ttaaggggtc catcgagtga 420
 gtttgaaagc ttctacgatg tgcgtagtct ctatgagggt ggaattaaat tgccaacaga 480
 tatactgagc cagattagcc ccttaccagc cctcaaggaa atcttccgca ctgatggtga 540
 aaatgatctt tcatttccac cacctcatgt agccaaagtt gtangtctgg gtggatgact 600
 gatgaggaat ttgctag 617

<210> 13248
 <211> 172
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220145h03a1

<400> 13248

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 cacatcacgg caatggagga aaagcacgca gcagccatcg aatccgcaca cgccgaatct 120
 aacggcgtct ctcacggcgc cgaccacggc tggcagaagg tgacctacgc tt 172

<210> 13249
 <211> 157
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220145h04a1

<400> 13249

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 actatatttga ctagagctat gtcgataaga caaccac 157

<210> 13250
 <211> 439
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220145h05a1

<400> 13250

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 gagggactcg acggagtccg catgacgtgg aacgtgtggc cccgtacgaa ggttgaatcg 180
 agcaagtgcg tgatccctct ggcgggcgacg gtggctctga tccgtcccca ccctgacatc 240
 ccccgctcc agtacgcccc tctccggtgc aagacctgct gtcggacact caaccctttc 300
 tcccgctcg acttcaccgc caagatctgg atctgcccct tctgctacca gcgcaaccac 360
 tttccccctc actaccacgc catctccgaa accaatcttc ccggcgatct ctacccccaa 420
 tacaccaccg tcgagtacc 439

<210> 13251
 <211> 439
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220145h06a1

<400> 13251

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<400> 13254

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 ttcatcttctt tcacgtcat cataaagttc gttcctttct cagttttcac ccatacccag 120
 atgagtaaca gcaccatctc ggatctgtgt cccttccttg agcgaacaag gttcaatctc 180
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<210> 13255

<211> 525

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220145h11a1

<400> 13255

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 accttcaact ctcttcttct tcttcttctc catggctttt tttcaaggta cgttgagtta 180
 acctctgctt gctctgtgtg attaagtatt ctgggcaacc cattaggaga acggaaattg 240
 gagtatagtg gcagagatag taattctgaa gtgttggtgt gatataaca ctaattgtag 300
 ttctttccgc gtttgaaagg ttttggcgcc gtggagttcg tttttagca tcaccgtatc 360
 atcagcttca gcttgctttc accaaaacgg ctntactatt tgggtgtgtc catgtcacia 420
 aaaacgaaag gagatattcc ttttaccac tcctcgtcag ggaagatctg aagcagcgtc 480
 agcagcacac gtcctctaata ggacgccgac tcctctggag aagaa 525

<210> 13256

<211> 551

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220146a01d1

<400> 13256

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 tgtcggaatg ggtgccttgg caccttgtaa tgatgacata ggagctttgg caccctgtgc 120

agcaacggga gcattggctc cttgtgagga ttgtgcacca catgatgagg ctgggggttg 180
 tgaatcaaca cctgggacta ggatggggtt ggcgacttgg agaatggaga tgtttagagg 240
 ctcgctgggtg acggctectca tgagctcggt ggcgtcgact ggggcgccac tcacggccga 300
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 tgcaatgcct gaggcctgga atagggttgt caactgttgg ctattagctt ggccttcat 420
 gagcttcttc tcatcaaaga agtcattgat gacatgggtg ctaatgatgg ccttaatggc 480
 ttctgggtgac tcgggcagca tggaattcat ggctgagtct tcaacggcga ggacagtgat 540
 ggtgttgagg c 551

<210> 13257
 <211> 414
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220146a02d1
 <400> 13257

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 atttctacce ctactttacc ccttatctta acccctttaa aagtagaaaa attttaaaaa 180
 ctacttaaat tcaagcccaa tgaccacccc ggggaactga aacaccaggg ggttttgttc 240
 ttacacaaac tatggcttct tttatcattg gcaggttttg gagaaccttt ttccctatat 300
 gatccactgc accaccggga ggggttgggc ccataccccc gggatggccc ttatcatata 360
 caaagatggg ctgcaccga tccatatttt gggggaacct gcctttctgc tctt 414

<210> 13258
 <211> 104
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220146a03d1
 <400> 13258

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 atcttttttc ttttaaatat tttattgtca caaaattttt cttt 104

<210> 13259
<211> 471
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220146a04d1

<400> 13259

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caacaaaaag gcgattgaaa aatacgaatt acaataagca gtaacctaat tttaattcta 120
gatcacacaa tgaaacctaa ttttaagctc tctcgctctt gattctgcca gcaagttgaa 180
tattccttggg cataatggtg actctcttgg cgtgaatagc gcaaagggtg gtgtcctcga 240
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aacgaagatc tgttttgaaa tcctgagcga tttctctgac gagcctctgg aatgggagtt 360
ttcggatcag aagttcagtg ctcttctggt actttctgat ctccctcaga gccaccgttc 420
cgggcctgaa gcggtggggc ttcttcactc cgccgggggc cggagctgac t 471

<210> 13260
<211> 116
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220146a05d1

<400> 13260

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cccaaattat gctcacatta agaaccgaac attttaatat catttttctt aaattc 116

<210> 13261
<211> 537
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220146a06a1

<400> 13261

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tcttcaatct tcgtcttctt ccaagattgg ctcggtttgc agagttcccc tggcactttg 120

acaagccaag tgaaagagag aagaaaagtc aaagacaatg tcagggatca ttcacaagat 60
 tgaggagacc cttcatgtgg gaggccacaa gaaggaggag gagcacaagg gtgagcagca 120
 ccatggtgga gaatacaaag gggagcatca tggtgaacac agtactgaat acaaaggaga 180
 gcatcatggt ggtgagcaca agccggagca ccatggagga gaagagcaca aagagggggt 240
 cctagacaag atcaaggaca agatccacgg cgaggagggt ggcgccaccg ccgaggggca 300
 gaagaagaag aagaagaagg agaagaagaa gcatgaacat ggccatgaca gcagcagcag 360
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 tgggaccata gtagtgaggg ctgtgtcttt ctcttttttt cctacttggtc atttatatatt 480
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 taaaagaata aattattcat gcgt 624

<210> 13264
 <211> 490
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220146a07d1
 <400> 13264

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 tgaatttctt taaggggaaa tatccatccg ggaaaaccaa agcgaagggg gtacaaacca 180
 cagagagccc ccatctaaaa ggccccaaaa taacaaccaa taaccgccc tatatctccc 240
 ggcaaaaaat aaaaaagacc agggggaaaa aaaaaaaaag acccaggcct aaatacaagg 300
 ggccaacccc ccttaaaaaa aatatggggg atcccaccgg gggaaaaaat gaaaaccctg 360
 gcacaggtgc tggggcagac aagggcatag taaggactgt tgcatcccct atatatttta 420
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<210> 13265
 <211> 99
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220146a08a1

<400> 13265

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<210> 13266

<211> 99

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220146a08d1

<400> 13266

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taagcagtag tggactaggt agtacgtact ctagtctcc 99

<210> 13267

<211> 615

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220146a09a1

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tttcgaccag gaaataatat cagccattaa gacctaccag aatTTTTcca atcttaatgt 180

taccggcgac ctgaacaaac agcttattca gcaaatgttg tccatacgat gcggtgtccc 240

cgacgttaac ttcgactaca acttcaccga cgacaacatt tcctatccca aagccggaca 300

ccgctgggtc ccaaacagaa acctcacata cggTTTTctt cccgaaaacc aaatcccaga 360

caacatgact aaggtgttca gagattcctt tgcgaggtgg gcccaagcct cggggacttt 420

gagtctcacg gagacaacct acgacaacgc cgacatccag gtagggttct acaacttcac 480

taactcgagg attgaagtgt atggtggcag ccttatattt ttgcaaccgg attctagtaa 540

gaaaggggtg gtacttctga acgtaacatg ggctgggttac tttcagtgaa aacgccacac 600

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615

<210> 13268
<211> 498
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220146a09d1

<400> 13268

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attgaacaat cagaaatata aaaagctcat aatgtgggac aggaacgact aatacaaaag 180
gagcactacg taagcaaate caagagagaa agcggtaact ~~aaa~~agcacat ccaaaccccc 240
accgtggcct gctgagtcac gccagtttgg cagcagagaa catcctaagc atgcttagca 300
aactgatggg gaatgatggc cttgtcagaa ttggaaagct gcacctttcg ttgctgagag 360
gacaatatgt aaggatacat aacagagtcc tctttgtgag agtgatcaag tccaagtaga 420
tgccctatct ggtgcatcgc ccgagtcctc aagtccaaaa ctccatcatc tttagacagt 480
gtggccggtt cacttgga 498

<210> 13269
<211> 602
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220146a10a1

<400> 13269

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cctagagaac aaagatagta cttatgaatt actagagtcc ttatcaaaga ggcacaggtc 180
atacaaccac atactctccc tccttgaatc agaggaagat gactccacac aagacctatc 240
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ggattgttca tcctcaacaa ctaaatttc tagtgacatg atggaggaac atgatgacaa 420

095411-03260

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 ttcttcaatc tgtgatgggt tgggtgaggga gcttgaagat gaagctgcta actactatga 600
 tc 602

<210> 13270
 <211> 459
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220146a10d1

<400> 13270

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 tttttctaca gatcgacata ttgccaagta gtaaccaacc acacataaac gtcccatgat 180
 tttaatttac aaaaagaggg gacaaaaaaa tgaaaaaata aaaactagta aatttttcat 240
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 cccacacaaa aaaaaaaaaac tagagaaaga gttgagactg caaaagatca tagtagttag 360
 cagcttcac ttcaagctcc cacaacaacc catcacatat tgaagaaaac atgtctgcac 420
 cgttgaactt gaacccatgt tcaccaagat cgagtgatt 459

<210> 13271
 <211> 611
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220146a11a1

<400> 13271

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 tagaaatagg agggacattc tgatcggcct tggaggactc tatggtgcta caacaagtct 180
 cacaagtaac aacctgggtt ctgcatttgg tgcttcattg tcgcctccag atccaactaa 240
 ctgcgttcaa ccggaccag aaaaagacc tttttgccc ccacccccct tcaaagacta 300

cgagctccct ccacacgatg acaagacatt accccttcga attagaccag ctgctcattt 360
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 cgatgacccc a 611

<210> 13272
 <211> 519
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220146a11d1
 <400> 13272

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 cccggagaaa caaacccctag cagtagcaca cacataattt agattttattc atcgtctacc 180
 tcaggataaa cacgctttat ccttacgtcc ttaattgtaa caggcttggtc tccatatatg 240
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 tgaggcaaag tcacaaagct tcccgcacaa tctgaatcct gtgggtccaat ctcatatcg 420
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<210> 13273
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220146b01d1
 <400> 13273

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aaacttaaat gaattaatca aaacagtcta ggacagttta aatgcaatth taccggcatt 180
gcaaaacatc gaaagtctgc tataaaatgc agaatacaca acatatacga acttgtgttc 240
acaaaaaatt atttaacaac gcaaactcaa tcgttgttcc ttctgccggg atctcaaaac 300
agcaaaaagg atgacaacta atgtcaattg cctcatggct tcataagttt gggctcttct 360
ccaaatttga tatagctatg tacaacaata taacaggctt aacactttgg aacagaactc 420
ggcgctccaa tagttctgat aaaacacccc tcattttg 458

<210> 13274
<211> 521
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220146b02d1
<400> 13274

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acagaaaatc ccctgaaaac gaagtctctt gagtttcaca caaaggatac cctataaaaa 180
cctatatata gtcctatact gcattagcta caagataaat aaactccaca tatgctttaa 240
gcaggttggt tttcttgctg tggattccat caccaacatc acgatcacia ttctttagc 300
tgtatttaca taaaaggga tatgaagggt ttcagaagac tctgcatg gaaggcagg 360
cgtcgaagct ccaaagggtc atagggtttc cagcagcatc ctgagatgca tcttactga 420
gcaaagacgc caatgcagca tcagcccagg cttcatcaag aaaagaagggt gtctcaaaga 480
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<210> 13275
<211> 493
<212> DNA
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<400> 13275

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aagtgataag ggctatgcct tgtacaatca aagcatcggc taaaacttgg ttagcagctt 180
 gtgaaggatg gacactgtcc caaaacacat attgggttgc attagagcaa gttccttagtg 240
 attttggatt gcacaataaa gatgttgtct ccactatccc agtaccacag caacctttcc 300
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 tatcaaagac tacaatctta agaccaggaa gttgcttttg gagatttgct gccactgact 420
 tgattttcttg ttaaattgctt ggggtgtcatt gatgatcctc gagacacaac cttttttatg 480
 gaaactaaat aaa 493

<210> 13276
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 aggccctgat attcccaatg atacaaaatc cttgagcatg cccaagtggg atccaggaaa 180
 ggaagaagaa actactgctt cattggcact cataattgat ggaaccagtt tggtttatat 240
 tttatagaat gaattacagt cagagctttt cgaccttgca acttcctgta gggttgtgct 300
 atgctgccgg gttgcacctt tgcagaaagc aggaatcggg gatctgataa aaagccgcac 360
 agatgatctg acattaacta taggggatgg ggcaaatgat gtttcaatga tccacacggc 420
 agatgttggg gttggaatat gtgggcaggg agggcgccaa gcaccgatgg catcaaattt 480
 tgctatggga caattacagt tcttggataa attacttcta gttcatggac actggaatta 540

<210> 13277
 <211> 337
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220146b06d1
 <400> 13277

atgacatatt attttttctt caaaaaaggg ggaaaaaaag ccccgatca taacaactca 60

<223> Clone ID: jC-gmf102220146b07a1

ggagactaga gtacgtacta cctagtccac tactgcttaa ttatgtacgt acgtgtctgt 60

<223> Clone ID: jC-qmf102220146b07d1

aacataatat tgatattcat tacttataaa agtgaaataa cagacacgta cgtacataat 60

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<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220146b08a1
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6099

ggcgtggttg gtgagaagga aagagatgag actaatctac gactaagagg gaggacacac 60
acacatcaaa agtgattgct caccaaattg gaggggcccc aaacgacgag cttacaatca 120
gtctccatac tctcaagacc gacatcagtg gctctcacc tgatcaatat tcaactccaat 180
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gaccaattgc ttcttgaatg ctggactggg agactgatgc aggaagtgtg gaccactttg 360
gtcatgagga tggactaacc gacccccgtg agtctgagac tttccgggca ttagacacgc 420
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<210> 13283
<211> 444
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220146b09d1
<400> 13283

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atataacccc caaaccagta atatatgata tgtgaaaaac aggtaaccga tcctaataaa 180
tgcttttaat tgaagtttgc atccaatgta gatatgaaga ggtatatcga gacctctttt 240
gcaccatcca aaaaattgtg gcataaacag cagaagaatt ccttgtaatg ggggtgatca 300
ttttacagtc aagatcttga tgatagatgc actgcccaca cgatgcagtg ccaccactga 360
atccccgttg tggcagagac ccttggcctt ggcattgtgc atggcgaatt ctattgcttc 420
ctcagatgtt tcagcatgag aagc 444

<210> 13284
<211> 540
<212> DNA
<213> Glycine max
<223> unsure at all n locations
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<400> 13284

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tcttccccctt ttgttattca tcttcaacct cacccttctg cagcactct atggagcatc 120
 ctcacccttg cttcaactca ctccctctaa cttcaagtcc aaggttctga attcaaattg 180
 agttgttctt gttgaattct ttgtcccatg gtgtggacac tgtcaggctc tgactcctat 240
 atggggagaag gcagctactg tgttgaaggg tgttggtact gtggcagcaa ttgatgctga 300
 tgctcatccg tctttggctc aggaatatgg aattagagga tttccaacta taaaagtgtt 360
 tgcacctgga aagccacctg ttgattacca aggagcaaga gatgtcaaac caattgctga 420
 atttgactt caacaggtaa aggtcttttt gaggatcggg taagtggaaa agcaacagga 480
 ggatctagtg acaagacaga aaccagttct tcagtagaat ngaactctcg gcaacttgat 540

<210> 13285
 <211> 506
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220146b10d1
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 tatatcagta cgtaccact gaatgacata tatcaaatc ctgagagaag atcactcatc 120
 actagactgg ttttttaact tggaacatgg aaaaacagaa tagtgatcac aataatcatg 180
 agaaacaagt tgctgtaac gtaaaaatcg gtggttgaaa ctttaatttg gtataaatc 240
 cttataaatt gatcatagct catccttgct tgaagcatct tccccatta gttcttcaag 300
 agaaaattca tcctcctcaa ttatttctcc atcttttcca tcccatgggt ctgtctttac 360
 aatggttgga gtgccttgca ggggcaaatt ccctttgcct gcacgtccag cttctttcac 420
 aaattctata atctggtcaa gttcaaaagc actcttgaga ggagcataaa cagctttctt 480
 aggttaaggg ccactaagct ggataa 506

<210> 13286
 <211> 587
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220146b11a1

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gacagacaaa gatcgctctc atctctgttc aaatttcaat ttcaaactta gtattactcc 120
aaatttcaat ctctcccat tttcacttct aattttcaat tcccacttat ttcggaatca 180
cgctcactca ctctagacta gtattacccc aaatttcaat tcccactcat ccacctaggg 240
ttttctttcc cacttcgaag ctatgctcaa tttcaattct tctctcgctc cgcgtttcgg 300
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accgaggagg ttcaattagg gtttctcgat tcggttttgt gatggggatt taggttttgc 480
gaacgttggg gttgttgttt ttgtggagtg ggaattcgtg aagctaaagg gatgttttac 540
tcacagntta ttttggccaa gaaaggccac tngcgactat atggatagct gcgcatttgg 600
agaggaagc 609

<210> 13289
<211> 574
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220146c01d1

<400> 13289

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agacatggta gtgaggagag aattaaatta caccgtacat attataacat aagttaaaaa 120
agccaattag atcagtgatg gctgctttaa taaattcgca atgataaata aaagcactga 180
attacaagtc cttaatggca aagagaaaat atataactaa cactggctcg tgctttccat 240
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tataaacact gaacaggaaa ggaaaccaca tcgctttgat gcacagagaa aggtagcctt 360
gaaaacctaa tccccgaaac agcgagaagg aaattttacc tatattaaac agctatgtta 420
gagggatgag aattagctct tccacatagt cttggttgca actaggattt tctccctgcc 480
atgtgattca ggttctctat tatatatggt gggctttcac cttactgtac gcacaacccg 540
agcttctttc tcaattactt caggggaatc cctc 574

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<210>	13291
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<212>	DNA
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<400> 13291

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<210> 13292
<211> 566
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220146c06a1

<400> 13292

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gtcatatgaa aatacactta tcacaaaatt ttttggctctg cacaggatta aaccttcaag 120
tggtcaaaag ttctgctttg ttgtaatggg aaatatgttc tgcacagact taaggatcca 180
tcggagggtt gattttaaag gttcttcctt tggaagatca tcagacaaga tagaaattga 240
tgagagtact acgctcaaag atttggatct gaactacagc ttctacctgg aaccatcttg 300
gcgagagtct ttactaaagc agattgaaat agacagcaaa tttttggaag cacagcacat 360
tatggattac agccttcttc taggtgttca ctatagagct cccagcatc tacgttctca 420
cgtttcatac aaccaaagta gaagtgtgga tggattagca atgcttgcag aggaagatcc 480
tctagaggat gaagtattct atccgcaggc cttgttctag ttcctcgaga ggagatgatg 540
acagtgttgt tgttggctca cacatg 566

<210> 13293
<211> 582
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220146c06d1

<400> 13293

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tataaaaatt ctggagcaag catgaaaagt gcaatattca cactttctaa ataaacttac 180
tggttaaata taaccccaaa attatcttga ttaacctgtc gtcgcatttg gtggaaacac 240
cttctgaata aattccagga agcgatgcga atagaacgta ggggtccacag ctgagataga 300

caatgaatca aactgaagag atttataagc atgttcaatc ctcttagcca tgttgaagtc 360
 ctgcaatatg tcaatgatac caaggtacag caccacatcg tacacttcat gaaacatttg 420
 cttttcttgt atctgttttc ctgaaatctg atctgccctt gatggcatgt tcacaccaag 480
 ctgtatttgg agtcttgctg taccaggtag aagtagatcc accttctcat acccgcatg 540
 gaagcttgaa cccgctaccc ttatggtgag ccaacaacac ac 582

<210> 13294
 <211> 608
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220146c07a1

<400> 13294

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 gttaatccac cagactgtaa gattttactc actgatccgc ctcttaatcc ttccaagaat 120
 cgcgaaaaaa tgggtgagac aatgtttgag aagtacaatt ttgctggagt gtttatccaa 180
 attcaagctg ttctaacatt atatgctcaa ggtttgctga ctggattagt tattgactca 240
 ggcgatgggtg tcaactcatgt ggttccagtt gttgatggct attctttccc tcatctaact 300
 aaacgaatga atgttgctgg tcgacatata acctcctatc ttgttgattt gctttcaagg 360
 aggggggatg cattaaatag gactgctgat tttgagactg tcagggaaat caaagagaag 420
 ctatgctata ttagttatga ctacaagagg gaatatcagt tggggcttga gaccactatc 480
 cttgttaaga attatactct tccagatgga agggcatta aagtatgcac tgaaagggtc 540
 caggctcccg aggctctttt cactccgaa cttatagatg tagaagggtga tggaatggct 600
 gacatggt 608

<210> 13295
 <211> 528
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220146c07d1

<400> 13295

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tctctcgaca gagtaaaacg aacatggaac agttagaaaa atttacaatt tactctttat 120
tcaacattat gccacatagt tgccacaatt cttgtttacaa aaacaagata caagaattct 180
cttggcgtac ctatcacaaa aacataagtg tgtatacaat cacaactagc ctctagtagc 240
catagggaca gctatacaag gccagcagca attaatgcaa gctatttttag gaggaggcag 300
ttttaacagc tttgaatatt catcactcag cctctggtgc gcttttgctt cccaaaattg 360
atatcccatt ttcagagcga tcatggacct caaagtcag cctggccaca cctgcttaga 420
caagcaattc ctttttctag ataatcttcc ctgttaatcc aaaactctgg tgcattcttc 480
attattcctg caagcacagg accttccagg tataccatgt gctttcta 528

<210> 13296
<211> 612
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220146c08a1
<400> 13296

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agggttttct gtattccctt acttgatctc gcaatttgct tttcattttc atttgccgga 120
ttgattcttc aattgcgcgc tcatttggtta gttctttttt tttttctctc caattttctg 180
gaatattgtg atgatttatg aatctgcctt taaaattatg acgcagcgta atgggcccctt 240
cttgattggt ttttttttcc tgccatttcg gcagtgttta aggttctaga aaagggttcg 300
gaccaaagca tagaggtttt aggtttttat agtgccagtt cttttcactt gtggcattag 360
ggtttttgtg acgtttgggt gaagactttc tgtctccatg gatctttcag accttaattc 420
cgctgaaatg cagaagttct actcttaggt aagcaagttc aactccaaa ttccatttcg 480
aaacttcacc agcttcaacg ctgcacactn tntttctctc tctctctctc tctctctctc 540
tcaaacattc gctgggtatgt gagattgaaa aaaagacagt gagttttgag cgcaatgcaa 600
ctcttaatga ca 612

<210> 13297
<211> 427
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220146c08d1

<400> 13297

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 ttggggccccc aaaattgttc ctagggcgct cgcaccccg ggggccccca aaaaagccc 120
 ttataaaatt ctgcattacc gcccccataa aagaaactgg gggtaaaagg aagactcacc 180
 gggatgggga aaattagaca ggaaaaaaaa aaaagacagg gaaaaaaagt ttaaagtttt 240
 aggggtccgct ataggaccgg tagcccctag gatgggaaat tcgggggtcc cagggtccc 300
 caaaaaagcg gggcccaaaa aggggggggg ggcccaaaa aaaagggcc ccctgggggg 360
 cacaaaccaa tttcccccaa aaaagccggg gccccctta aggggccccg ggggacactt 420
 agggccc 427

<210> 13298

<211> 615

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220146c09a1

<400> 13298

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 gattcaccca aaacccgaca acccacacat ggggaagtac atgaagaagt ccaaaatcgc 120
 cggggacgtc gccccgtga tcatggaggc tccgccgcgc cactcccacc tcggcgctccg 180
 caccgcgcc aagactctcg ccctccagaa tacctccccg gactcctccg cctacctcca 240
 gctccgcagc cgccgcctcc tcaagctccc ccctaccccg ccggaaaatc cccgccgctc 300
 cgccgccgaa accgcgcga attcccgcct cgccaaaacg acgtcgtccc gtaacgccga 360
 aaagttcgca tctttcgatg acgacaacaa tacogaatgc tctttcggcg aaaatttctt 420
 agacgccgaa cccagggagg aaaggagcac cagggaagc accccttgta gttttataag 480
 ggactcaaat gccattcata ccctgggttc aaccacaagg ccaaggactc gccaaataat 540
 ccatgagcac atccaaagaa acattccaac ggcttatgag atggaagagt tctttgctta 600
 tgccgagaag cagca 615

<210> 13299
<211> 465
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220146c09d1

<400> 13299

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caactagat ataccatata ccccccccta caccctacag atcagaaaga cactactaaa 120
ctactaatcg gatattggaa atttctaaac agatcctttc ccttgtagct tgccaaacaa 180
gagcctcaag caatctaaat ggtagccaa agcttcttct agttgttaaa attaaaatac 240
aagtctaattg gctcttgaaa tcccatatta tcaccatattg acactcctag tggagtactg 300
ggaccactc gtaccgttca ggcagaggta cttcattgac aatgtcgaaa ttgtacttgt 360
ccatcaatat tgtagttgc tgcttctcgg cataagcaaa gaactcctcc atctcataag 420
ccgatggaat gcccttttgg atgtgctcat ggattatttg gcgag 465

<210> 13300
<211> 495
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220146c10a1

<400> 13300

ctcgatccca ttttaacaca tacacttctc tttatctgtg tcggatcgca tgaacagcac 60
ttggaggagg aagaagatca ccaccgtgcg ggtgctagtc gtggaccaa tctgaagaga 120
cggggcgggg ggggtggact gtttctctgt gaccctacat gaacaagagt ccatggaccg 180
tgaccattca cctgtgacta gacaattttt tccggcgga gatgctgacg cggcgggtgc 240
caccttcggt ggtggaccg gtctcacctc cacgatccct tgtgctcact ggctacgtgt 300
gaaattttgc cactcatatt cactttgcac cggaatatca tgaggggaag tttttctccc 360
tatgaagaag agtcgtcgag gaccatagtc aatgagctct cagtttagag gagtcaccct 420
ctaccatata acgggccgct gggagtctca tatatggcat tggggaaaac aagtgtatct 480
atgtggatct tacac 495

09-03-17

<400> 13301

<210>	13302
<211>	330
<212>	DNA
<213>	Glycine max.

<400> 13302

6111

[illegible]

<400> 13303

<210>	13304
<211>	452
<212>	DNA
<213>	Glycine max

<400> 13304

6112

452

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aattacataa	aaaaatcata	ccaataatta	tttgtaacaa	cccaacttca	ttacaagttt	120
attatactaa	tacaaccccg	atacttttaa	gtcctatgaa	aatacgtaag	atatgcaagc	180
attcgatcgc	ataatatcca	ttaccataac	ataaaagagt	taagccttgt	gtcttttaca	240
aactaaaaag	agccataaga	tgaaaaacaa	tgtcttaacg	tttgttgaca	tggtctttgcc	300
tttttatggg	cacaactttt	caaattaaac	ttcagtggat	ggcaagggaa	ccaacctacg	360
atattcagct	agagcccaca	ttggataaat	attcctgtac	attgggtaat	gcagcatgca	420

cgtactattg aatactccag cgagttcctg ttgaggccaa tcaccctctt tcaactgata 480
aatgatgagc aattttgagc cacggtgaag agaagtagta tctctctctg cctgtccagc 540
aagaatttga ccca 554

<210> 13307
<211> 450
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220146d04d1

<400> 13307

gatatgattc aagaaacaac ttttaaactt aaattggtga tcacaatcat tccacatata 60
acaaaagatt acaaaggttc aaccattat aataaccatc cataattgaa attctaaggg 120
ccctaacaaa gataagcttg ttctacaaat ggagaccaat atgatctaaa agagtagttt 180
aatggccgca attgacataa actacattct attgggaaga aacttgctgg gaaaaatatt 240
gaagatcttc aaaaggttta tcaaaatcat caaacctttt gccagccctt tgaaaccctt 300
tacgtacaat atttgttacc cggtgaatc catcttgtaa accttgctg ctagagaaaa 360
ttcaaattaa cctatcacta tcaggagtta cttgaggtgc ccaagggtga ctaccttgag 420
gcttttcagc actttctgag tcaccaccct 450

<210> 13308
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220146d05d1

<400> 13308

cttgatatat ttttttttct tttattattc attttgcaaa aaaaaacacc ccagaaccg 60
gtgatcacgt ggacgccttc taaaaaaaaat ctggtgcaag caggggaagc cccaagggg 120
ggctttccct tttaaccac aagacaaaaa aggggcctaa acccaccctg ttccacacg 180
gggtgggata aggcggacc accttccgaa aaaaagccct gaaactacgc caattgaacc 240
tagggggggc aaatgggagc cccctgaac gg 272

<210> 13309

<211> 621
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220146d06a1
 <400> 13309

cgttccgttt cacctttcct ctccccgcgc gagccgcgc caccgcgcgc cggcaatcgt 60
 , atcagaccct cccaatacac cgtctccgac ttccacgcag aattgcacga ttcattgatt 120
 tcaattttca agtcttgagg atttcgtttc aacagcgctt caatttgacg cagaaaaact 180
 gagtcaaacc aattctccca gagttcgtga cttggattct caatttatcg ttcattccga 240
 atagaatttg aaactccgaa gaaaactgca ccgaacactg aatctcagtt accgaggagc 300
 ttctttctacg aaccgtgctt aattccacac agaaacaccg agtcaaactg gttcgtgctg 360
 tgttcgtggt tcagattctc aatcgaaatt tgaaattcag aagaaaaccg caccgaacac 420
 agaatttcag aatctgaaca agtttctttc gttaacagca cttcaacttc acgtggaaca 480
 agaatcaaac cgtttcgtgg ttccgattct caattcctcg tncattogca atcgattntc 540
 aaattcccga gaanaaccgc tcgaacactg aatttcagac tcttgacagc gaacagtact 600
 tcaagtcacg ttggacgagt c 621

<210> 13310
 <211> 415
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220146d06d1
 <400> 13310

aaaagaccta ttattattta tttatatttt taaacaaccg gatcggactt ttttggtagc 60
 aaatcactta attaccaatt tggaacttac atttctttta acctaccaat tagaattatt 120
 attattatta ttaccttagg ccattttcct ggggcttccg ggattggaac ccagcccggg 180
 attaaccggg ccaaccttta ttggaccaac cggcacttga tggaaaccgg gaaaaccggg 240
 cccctgggtcc tgggtgcctta agaattcacc cgggaaccacc agcttacctg gacctttgga 300
 aggcccgggtg ggagccttgg taggaagaag gcccttctcg gcacgcgccg gcaatggctt 360
 cttttccttc aattcttggga agcccctgaa ggaacccttg gaaaggttga cctaa 415

<210> 13311
<211> 567
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220146d07a1

<400> 13311

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agggttttccct gcattccctt acttgatctc tcaataagct tttcattttc atttgccgga 120
ttgattcctc aattgcgcgc tcatttgcta gtcccttttt ctattcctat caatttctctg 180
gacaatcgcg atgactcatg aatcggcctt ccaaattatg acacaccgta ttggggccctt 240
cttgattgggt ttcttctttc tgccatttcg gcagtgttta aggttcttga aaaggctttg 300
caccaaacca tagaggctgt aggggtttat agtgccagct ctttcctctt gtggcatatg 360
gggttttctg acgctcggtt gaaaaccttc tgtctccata gatctttcag accttaattc 420
cgctgcaatg aagaaaatct actcttacgt aaacaagttc aactccaaa ttacatttctg 480
aaactccacc atcttcaacg ctgcacactt tgtttctctc tctctctctg tctatatcta 540
tgaatcattc gctgggtctgt gagattg 567

<210> 13312
<211> 143
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220146d07d1

<400> 13312

tgcaacagaa cactactcgc actccatccg tattatatcc tcgaacgacc agctcactat 60
gactactcgc cggccgcctt tttttttttt ttttatcttt tttttttttt catttcttct 120
ttttttccct ggggtttttt ttt 143

<210> 13313
<211> 567
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220146d08a1

<400> 13313

gacggttgat tttcggaaaag gggcatgctg cgctggacta ccattcagac gagagaagaa 60

aaaagattag gaaatttaag gaatcagctt ggaaatgtgt ttattatctt tcagctgaga 120

ttcttgcttt gtctgtaaca tacgatgaac catgggtttac aaatactaga aacttttggg 180

tgggcccagg gacccaggtc tggccagatc aaaagatcaa gttgaaattg aaggcagtct 240

atatgtacgc tgctggattt tactcatact ccatttttgc tttgatattt tgggaaacga 300

ggcgctccga ctttggagtg tccatgagtc atcatgttgc tactgtaatt ctcatgttgc 360

tgtcttacat tttcagggtt gcacgtgttg gatcagtggg tttagcactt catgatgcta 420

gcgatgtgtt tctggagata gggaaaatgt ccaaatacag tgggtgctgaa actatggcta 480

gctttgcttt tattctatctt ggtttatctt ggatcatatt gcgtctcatt tactacccat 540

tctggattct ttggagtaca agctatg 567

<210> 13314

<211> 479

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220146d08d1

<400> 13314

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gtttcctcca aaccttttagc tgatacaatg aactagcata aagaagaaaa acttataagt 120

ttctagttta caatataatt atggacaaac tgactctttt ttatagaaaa aaataaaata 180

aaatatggac aaactgactc ttttttatat aaaaaataaa ataaaatatg gacaatttaa 240

cataaaataa atccacataa catacgacaa tattcatcat gtttgagtgt aaaaccattt 300

gccatcattt taaattcacc ttgacctaaa gaatacattg cgcttttgct tccctactca 360

atcttcatgt tcatattcat cttctgaatc agatcgaaca tgttcactaa cttatcctct 420

tgcttggatt tgtttaacaa gcattcgaaa tatagcacc accaataaat atgcataac 479

<210> 13315

<211> 560

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220146d09a1

<400> 13315

atcaaattctc ccattattct tcaattttctc tccaacgtta taaaccacct tcaatcggcg 60
ttatatatat atcgggttatt attaattcca ttttcacgta atgggcaact acgtttcatg 120
cactttggcg cctcctttca tgaagaactc caaggccacg agggcatca tccccaccgg 180
tgaagtgaat caattcatag agatcgtgaa ggctgcggag ctcatgctcg aacaccccag 240
ctatttcctc ggtaattctc gttctttgca tataggaaga agattctctg ctctcgggtgc 300
tgatgaagag ttggagtctg gcaacgtgta tattttcttc ccaatgagga gagtgaactc 360
cgttgtcacc cccaccgaca tggcgggtact ctttttggcc gccaaactccg ccgccaagag 420
attgtctggt ggaaaggcac gtgttctccc ggacaactgc gacggcggag catggcaaca 480
taaagaagag agttcaaaag atggaagttt aagtgagatt ccaaggttga gtttggaagg 540
agtcgagtca gggtttcagt 560

<210> 13316

<211> 591

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220146d10a1

<400> 13316

tcgagacaac gccaacgatt aaagacacat agttttgtct atagtacggt gacagggggac 60
tcattcacia ggacggaggg agaccgatta atgatgagaa agccgacctg aaggatggat 120
ggagcacaat aggtgtatct gcacccatgg cgggagagat tcaaaggggg acgcatcatc 180
ggatgaacaca gtacctgatt cctaaggagg agcatattcg tcctggagct caaccctgga 240
tctccatgga agaaaacaga cctctaaggg gttcctagac gagatcaaag acaggatcca 300
ctgccaggag gttggcccca ccgccgaggg ctgaaatttt aacaataaga agcacttgat 360
cacgcatgat catgggcagg acatgctgta gcctcttgaa acagagattt caatatctcc 420
cagctgatga gctcttatat ttcattgtgag gcgtattgca ccatagcggg gaggggtgag 480
acttagatat tgtttcctac ttgacattta tatttatgag ccagagaaat agtgcgtgta 540
tctggttgct aatacgagtg ctattactct gagttttcgt ggtttgaacc c 591

<210> 13317
 <211> 535
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220146d11a1

 <400> 13317

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 ttgctgacat tttcatctcc cagaatgtgg tcagcttgag caggtccggg attgagaatt 120
 tggcgaaatt agagaaccga aaagaacact ggcttgttgt gctctatgca ccatggtgcc 180
 gcttctgtca ggctatggag gagtcgtatg ttgatctggc agagaagtta gcaaggtcag 240
 gagtgaaggt tgcaaaattc agagccgatg gacagcagaa ggaatatgca tagagtgaac 300
 tgcagttggg aagcttcccc acaatacttc tctttcccaa gcactcttct caaccaatta 360
 agtacccttc agaaaagaga gatgttgatt cattgacggc attcgtgaat gccttacggg 420
 gatggtcaat tgagtatctt gctcaatggt ccgtcgtacc ataccggcga taaatttctt 480
 cacagattcg ggcaattcac tgaaaatggg aatggcagtn tttgatagca aaacg 535

<210> 13318
 <211> 577
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmfl02220146d11d1

 <400> 13318

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 tactcatcta aaaaaacagg aatcacatc ctctcatag aatgactact acaattatat 120
 ttgtgaggaa ggttatctaa atctatacag ggatactgct agctgagaat cttcgttctg 180
 ctatcaaaaa ctgccattcc cattttcagt gaattgccc aatctgtgaa gaaatttatt 240
 gccggcatgg tacgacggaa cattgagcaa gatactcaat tgaccatcac cgtaaggcat 300
 tcacgaatgc cgtcaatgaa tcaacatctc tcttttctga agggactta attggttgag 360
 aagagtgctt ggggaagaga agtattgtgg ggaagccttc caactgcagc acactctttg 420

catattcctt ctgctctcca tcggctctga attttgcaac cttcactcct gaccttgcta 480
acttgctgc cagatcaaca tacgactgca tcatagcctg acagaagcgg caccatgggtg 540
catagagcac aacaggccag tgtccttttc ggtctct 577

<210> 13319
<211> 396
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220146d12a1

<400> 13319

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ctgttccgat gtgatcactg ggagtaaaaa ttataaatga cccgcccaca agatgcaatc 120
cgagcattct ttcgttctgg aaacgcttct aggatgattt cgcccaaagg cccaagaacg 180
tcttcacagc tggcgacaat agtacatgct tttgaagcca cctgggatga aaggctgaaa 240
aaacttattc cccaagctt ggatgacatc ctacacctga cttggatggc tttgtgctag 300
caggcactgt gtaagagtca taatgacttt ctaacccccg agccacagac tgagcttact 360
ggacctgagt gtgatgagaa acggatagat gagtac 396

<210> 13320
<211> 374
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220146e01d1

<400> 13320

gggccctttt ttttgtattc accagtctct gcttcgggct cgggatctgt gcgcatccat 60
atcaggcgcc acacatgttc tcgcatgcc gatctacttt gaggcacgat gagcttgagg 120
atatgctggc ttggctctag agccatactc actgtgcatg gcatccatt tgaccggcat 180
gacgccaaga ttgctttgtt tcgtacatct atacgccgct tgaacgggag gctgcctaga 240
ctttctctct cggccatgtg gaccactgca cattgtctgg cgccctgcaa ggatgtgtga 300
caggactcag ctctcgagct cgagcgatag agacgcacgc ctgtacgata tgacaggaac 360
cttgccgaga acgt 374

<210> 13321
<211> 347
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220146e02d1

<400> 13321

gcacaaaact ggtaaaattc cagatcaata aggattgcgg cgaagccgaa aagatacacc 60
attcattagg gaaaacagga ggggggaaaa ataagggggg agggcttgag gaacatataa 120
tcgctcaccg atgatgctag aacacctaata gatccacac acgcatattg taaccaccca 180
tgataaacia aatgcctcat gggcggttta tagtataaag cccctccgaa tgactagggg 240
gactccactt tcttatacca tccactggag gagatcacag aggacgaatc ttgctgggtgc 300
gaccaagtga gagacgggtg tgttcaactt aacgtgctta ctgcggt 347

<210> 13322
<211> 500
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220146e03d1

<400> 13322

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ctcatcttag tatgcaacia ttttgatctc taaggaactt attttgtttt gttaaattatt 120
cttcctagaa tcctatatat aattttacia ttgagtttca cccctctgta gtatctatat 180
atcccccaaa taataaagaa attctaaaaa cactagctga atatataacc aagggatgaa 240
gaaaaggatc aatttgatg gggccttcac cttcatttgg tgagagctgc atataggagc 300
tggttccaag tgtccggtaa tcctggtagg caccagtggc tgcagtcatt gcctgcatgg 360
tccccactat aagcagaagg gtgagcatcc tttottaatt gtgagaggag tggttatatta 420
agtagataaa ctggagtaat cattttcctt acaattggtt caattggtag ttgctggagg 480
tagacctgct gatattgtga 500

<210> 13323
<211> 502
<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220146e04d1

<400> 13323

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gaaaataatt tcttaggagt tggataccat tctatgaaac taatgaaatt tgcagatagc 120
tatggaagaa tggatctatt ctattaaggt aactttcaac tgaattatga aataacaatc 180
ctgatgaata ataaaaaag actatctaaa atatagggca atgatatcac caaataacca 240
ctcaacatgt ctaagcagaa cggatatgat atatgaaact gctaaatcct gcaggatctg 300
gcagaaaggc tggctcctga atggaggcca gagcaaatga ttatgattaa agttgataac 360
ctaacaacct aatcccactg aatctctgtg taaaaaggcc actcagaagg attcagcgta 420
gttttcccat cagcagctac aagatcatat ggtgagtctt ctgcaaattc agtaggcatg 480
gatttccagt ggaggcatgg ct 502

<210> 13324

<211> 560

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220146e05a1

<400> 13324

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ggcgccttcg tcggcggcaa catcaccttc ctccgcgcac cgtctacgac atcgcccgct 120
cctgggtcat cgcgcctccc tctcctggcc ttcgtcaccg cctccactgt tccagcattc 180
ggactctccg ctggagttgg agttggcaac gccttgggtg tggagatcgt gatgaccttc 240
ggtctggtgt acacggtcta cgcaactgcc attgaccca agaagggtaa tttgggaatt 300
attgctccca tcgccattgg tttcattgtc ggcgctaaca ttttggtggg tggggccttc 360
tctggagcgg ccatgaaccc cgctgtgaca tttgggcctg ctgtcgtgag ctggacctgg 420
accaaccact ggatctactg ggccgggcct ctcatcggtg gtggaatcgc tggccttgtt 480
tacgaggttg tctttatcag ccacaccac gagcagcttc caccactgac tactagaggg 540
ggggaaatga naaataaaaa 560

<210> 13325
 <211> 498
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220146e05d1

<400> 13325

gacccgaata atgatactac attcaattca attgttgtgg accaagtgag agagagagag 60
 catgcacaaa atgataataa tttaacttta aagagaactt catgatcatc aaccatccaa 120
 ggatttaaga ctaaaggaac aagtacaacc ctcgaaagtg aattaggaag aaaacacatg 180
 gaaggaaaac catacacaga agaagattcc agagaaattc aataatacac aatttttttt 240
 tttttatttt catttcccc cctctagtag tcagtgggtg gaagctgctc gtgggtgtgg 300
 ctgataaaga caacctcgta aacaaggcca gcgattccac caccgatgag aggcccggcc 360
 cagtagatcc agtggttggg ccaggtccag ctcacgacag caggcccaaa tgtcacagcg 420
 gggttcatgg ccgctccaga aaagccccac ccaacataat gttagcgccc gacatgaaac 480
 caatggcgat tggaagca 498

<210> 13326
 <211> 606
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220146e06a1

<400> 13326

gtcgccgtct ccgtcggcgc caacatctcc ggcggccacg tcaacccgcg cgtcaccttc 60
 ggcgccttcg tcggcggcaa catcaccttc ctccgcggca tcgtctacgt catcgcccag 120
 ctctcgggt tcctcgtcgc ctccctcttc ctggccttcg tcaccgcctc cactgttcca 180
 gcattcggac tctccgctgg agttggagtt ggcaacgcct tgggtgttga gatcgtgatg 240
 accttcggtc tgggtgtacac ggtctacgca actgccattg accccaagaa gggtaatttg 300
 ggaattattg ctcccatcgc cattggtttc attgtcggcg ctaacatttt gttgggtggg 360
 gccttctctg gagcggccat gaaccccgct gtgacatttg ggctgtgtgt cgtgagctgg 420

acctggacca accactggat ctactgggcc gggcctctca tcggtggtgg aatcgctggc 480
 cttgcttacg aagttgtctt tatcagccac acccagagc agcttccac cactgactac 540
 tagagggggg gatatgaaaa taaaaaana aaatgtgtat attgaattct ctggatctct 600
 tctgga 606

<210> 13327
 <211> 531
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220146e06d1

<400> 13327

gacccgaata atgatactac attcaattca attgttgtgg accaagtgag agagagagag 60
 catgcacaaa atgataataa ttttaacttta aagagaactt catgatcatc aaccatccaa 120
 ggatttaaga cgaaaggaa aagtacaacc ctcgaaagtg aattaggaag aaaacacaag 180
 gaaggaaaac catacacaga agaagattcc agagaaattc aataatacac aatttttttt 240
 tttttatttt catttcccc cctctagtag tcagtgggtg gaagctgctc gtgggtgtgg 300
 ctgataaaga caacctcgta aacaaggcca gcgattccac caccgatgag aggcccggcc 360
 cagtagatcc agtggttggt ccaagtccag ctcacgacag caggcccaaa tgtcacagcg 420
 gggttcatgg ccgctccaga gaaggcccca cccaacaaaa tggttagcgcc gacaatgaaa 480
 ccaatggcga tgggagcaat aattcccaaa ttaccctttc ttgggggtcaa t 531

<210> 13328
 <211> 452
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220146e08a1

<400> 13328

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 atagttactg gagatggttt tttagcaaga catctcccgg gtacaaaaca attgaagaac 180
 tctgggatga gtaatggaca gtttccatat tggccacatc cccccctctt gcttaatgca 240

aaaatgagcc tatctttatg attattgtaa taatctacga tgtgtttata attttggact 300
 tgagatgtgt caagggagat ttcgagttta cattaataac gtgtcatttt ggaattcagt 360
 tgtttgagtc ttgaccttat tgtgtgtttg acaaaactat tgtagaagt ctaatatcgt 420
 ttagatcgga aaatgttagt tattaatatg tt 452

<210> 13329
 <211> 453
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220146e08d1

<400> 13329

aacatattaa taactaacat tttccgatct aaacgatatt agacttctaa caatagtttt 60
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 tgtaaactcg aaatctccct tgacacatct caagtccaaa attataaaca catcgtagat 180
 tattacaata atcataaaga taggctcatt tttgcattaa gcaagagggg gggatgtggc 240
 caatatggaa actgtccatt actcatcca gagttcttca attgttttgt acccgggaga 300
 tgtcttgcta aaaaaacat ctccagtaac tattctctcc tgcttaatgt cagagaagtt 360
 ggcaagcaaa tctgcaggta tggaccaatc aaagagatca aagttttcct tgagccttgc 420
 atcatttggtg ctcttgggaa gcacactgtg gcc 453

<210> 13330
 <211> 306
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220146e09a1

<400> 13330

tgaacattca tcttcaattt tgtcttattt ttcttcaaga agagagtctg ttgcttactt 60
 gaagcaaaag ctgacaggta gtaggaagtt ttatatcgaa gggaaaagag tgcgattggc 120
 atcaaagaga agctgaaatt ttgatacttc tttttcttgg cctcttctaa ttcattatat 180
 tttaggagag aaagggggca gtttgaatt tagtctaagg taaatttgca ttggtagct 240
 ttatcaacgt atgttgtagt attaaatagc attttatgaa atttaataat tttttctttt 300

aagttt

306

<210> 13331

<211> 306

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220146e09d1

<400> 13331

aaacttaatt taaaaaatta ttaaatttca taaaatgcta tttaatacta caacatacgt 60

tgataaagct aaccaatgca aatttacctt agactaaatt ccaaactgcc ccctttctct 120

cctaaaatat aatgaattag aagaggccaa gaaaaagaag tatcaaaatt tcagcttctc 180

tttgatgcca atcgactctt ttcccttcg atataaaact tctactacc tgtcagcttt 240

tgcttcaagt aagcaacaga ctctcttctt gaagaaaaat catacaaatt tgaagatgaa 300

tggtca 306

<210> 13332

<211> 572

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220146e10a1

<400> 13332

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agtgggtgaa gggacaaaca cttcgccaac cttctgctgc atcagttgtg agatgcaacc 120

ccaccacccc atcaggcctc acaatcagag ctggttccta tgctgatgag ctcgttaaga 180

ccgcgaaaac agtggcttca ccaggagggt gtattttggc catggatgag tccaatgcta 240

cctgtgggaa gcgtttggct tcaattgggc tagagaacac tgaagctaac cgccaggcgt 300

accgtaccct ccttggtgaca gttccaggac ttggtcagta catctctggt gccattctct 360

ttgaggaaac tctctaccaa tccacaactg atggcaggaa gattgttgac gtgctcctcg 420

agcaaaacat tggtcccggt attaaagtcg acaagggttt ggtaccctt gctggttcca 480

acgatgagtc atgggtgcaa gggctctgatg gtcttgcttc tcgcttcgct gcatactanc 540

cagcaggtgc ccgtttcgcc aaatggcgta ct 572

<210> 13333
 <211> 606
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220146e10d1

<400> 13333

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 aaaatagtct ccaagactat aaaaacatta catttttagac aaattagtct tcttccactt 120
 gatcctccgt caacacctac tacaactgct ggtgttgctg ctgcctaaca tgtatcatat 180
 tcactacaaa catcttagta ggagtagcct ttgacgaaca actccttctt ggcttctctca 240
 gattcaccct caccggtgta cttcccaagc tgggcgagcg agttggactt ggcacggaaa 300
 agaagtgcatt cttgtgccgc cttcacattc tctgggcggc ctcccatgt cttcaaggca 360
 gtgttttggga gggctctggc atacgagaac gacacgtgcc acggggttgg agattggttc 420
 atggcattca agttgaaggt agcttcaacc tcagactgtc caccagacaa aaacataatt 480
 ccagggacag cagggggaat tctcctgtga aggagcttga cgggtgtaatc agcaactgtc 540
 tgaggactgg ccttgtcctt gactcagctc aggtgtacca tgctggctta agaagatacc 600
 ctcaaa 606

<210> 13334
 <211> 587
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220146e12a1

<400> 13334

gtttacacac tgacacactc cttcatccaa ctccaacaga acaagaaaac atagtacaca 60
 ccacacagtg aaaaagagag aaactccatc ttctttcttt ctttctcact caccacagaa 120
 cacaaaaaaa catttccaaa tttcaggttt gggaaatgca cgaaacacat tccatcggcg 180
 gcggcagggt ctacggcggc ggcgaccgga ggctgaggcc gcaccaccag cagcagcagc 240
 cgccgccgct aaagtgccca cgttgtgact cactcaacac caagttctgt tactacaaca 300
 actacaacct ttcccagccg cgccatttct gcaagaactg ccgccgctac tggaccaagg 360

gtggcgctcct ccgcaacgtc cccgtcggtg gcggttgccg gaaatctaaa cgctccaaca 420
aaccctaaac aaccaccacc accaccacca gcaacactaa taacaaccgt tcttctttct 480
cggcaaccgc accggccacc gcaccaacgc caccggcacc agagctggag catcattctc 540
attctcactc cagcagtgaag agtccactt taaccgtgac cgcgacg 587

<210> 13335
<211> 523
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220146f01d1
<400> 13335

atagagaggg agaccaatta attagtcccc ttataacatt agcatcacia acactcgaaa 60
attgaataaa aaattaatct aataacctcc cccaacaaat taaaatagaa tctgggtgaat 120
gggggggctta tgtaaaaaag tgtggcaaga actcacgtaa gttattctaa aaccacaatt 180
aatactttat tatataacat ataattatat atcatatata tttccctctc cagcttcatg 240
acttggtcat ctagctgggg tctctagcac aatgggggat tttggggcaa ccacgattgt 300
aagggttggc tcgacccctc tgctggcaat tgtggttaga tcttcacagg ttaccacatg 360
gcacattggt ggcatttggg gcaccatagc taatgtaccg ttgtcgcccg gtgagggttc 420
ggggattgga ttcggaatct agcaacatct cattggcatc tgcaatgaga tcatggccca 480
cagcactaac atggaagcca ttttcatgat gaacactaga agc 523

<210> 13336
<211> 383
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220146f02d1
<400> 13336

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gaaattcatt cccatcagca gagcatacac aacttgtagc aagctaaata ttaactttat 120
gagcgtatat aatttatcaa cgtccttcat ggtcaggcac agtcattctt cacacataaa 180
agacataagt caattatgac ctgagaacct taaatcatca gtccccata agaaaaacac 240

ggttctgcgt cctatatgtg atgatttcta aagcagagtg cctattaagc acttcttaaa 300
gctctggagc gggagcaaag tttaggccat tcattgcagt ggatggctgc ataggaacgc 360
cctgagcttg gttccagaaa tgt 383

<210> 13337
<211> 316
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220146f03d1

<400> 13337

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actaattact tatgcgattc taactactca tactacttac tcaggggttg gatggggggg 120
catctacctg gggaaattta acaattttca tggaacaaag gccctatttt acaaaggtaa 180
tttctccta cattatcaca ataccatacc gaagcatatc taaatactat taactacggt 240
ttaaaacat gatatacctc caaccttcgc acgcaatttc ttatcagaac gtttaaaatc 300
cactactcta gcaaaa 316

<210> 13338
<211> 435
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220146f04d1

<400> 13338

aaaggaaaaa accaggaatt ttttttcccc cccccaaaaa aaaatctggg gcccgccctt 60
tttcataggg aaaaaaaaaa cgaaaaaaac ggcttggggg cggggcaggg gccccaaacc 120
cttcccaaac caaataaacc ccctttaata gccttagccc cccctagggg aaaatggggc 180
ccccgaaaaa actaaaaaaa ggaaattgtc cccccaaaaa aattgggaac ccaaagcctt 240
tttaacgggg ggggggctgg actccccca taaacggggc ccgggcccctt aacattattc 300
ggaaaaaacc ctgaacaatt tcgaccctgg cgggcaaaaa ttcgggttca ttcggaaccc 360
cgaaaaaat aagggttgga aaacgcaccc ggggttttctt aggaattccc ccacttaggg 420
gggggcccc ccttt 435

<210> 13339
 <211> 374
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220146f05a1

<400> 13339

cggggtttcta tctgctgttt gaggaccatc atgaagttcc aagccccggc ctttgggtcc 60
 agatgggtgtg aaattgggaa ttcttgtttc tgcctgctcg tcaacttcgt tcgtatatgg 120
 tcttttttatt caagctatatt attgctgcga atgtctggga gtgaacagat tcttgagtga 180
 gtattttaaac tgtcagatat gggaagataa aattcagcat aaagccattt atagcctatg 240
 gggcgtgtga ataatgccct aggaaggctg taatgatatg tcacggatat tgctttgcaa 300
 ggcttaacat tgtgctctgt cagaagtgtg tacagaaaat gtggacaaaa aactgtaaat 360
 gaggttatatt tatt 374

<210> 13340
 <211> 373
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220146f05d1

<400> 13340

aataaaataa ctgaattttc tatttttttt tcaaattttt gggttacact tttgacaaaa 60
 cacaatgtta agaattgcaa agaaatatcc atgaactata attacaaact tcctagggta 120
 ttattttacac gccccatagg ccataaatgg ctttattgga attttatctt accatatctt 180
 acagttttaa tactcactca agaatatgtt cactcccaga cattcacaac aataaataac 240
 ttgaataaaa agaacatata cgaacgaaat tgacgagcag gcagagacga gaattcacag 300
 tttcacacca tctggaccca aataccgtgg cttggaactt cttgatggac cacacacagc 360
 agatagaaac ccg 373

<210> 13341
 <211> 555
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220146f06a1

<400> 13341

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ccttttccat tttccttcct ttgggttggtg ttctgtgtta ttgggttgga ttgtgttggtg 60
tgttccatac aactccaact agtcagagat tcttgtctgg gctacattgc actttgcacc 120
ccaaaaaggg aaagggaaga gaggcataaa caccataa aatggagaga gctctcacta 180
aagtcagcag cttgaagggtg ggggttgggga gttcatggat ctccaagaag gccaaggagg 240
agttctctaa catctctgaa gacatctcta gtttctcaaa taccgttgaa gaaaaggcga 300
aatgatctt caacaaatta aaaggtaagc cacagaaaag cctaccggat ctctcccgag 360
attacaattt gccaccagggt ctatttccac agaacataat ctgttatgag ttgatgaaa 420
ccaagggcaa gctgattgtc tacttgccat cagcatgtga ggtcagcttc aaggactcct 480
ctgtgctgcg atacgcaacc cgagtcaagg ggttctcaca aggggaaagc ttctggcgat 540
agatggaatg aaaac 555
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<210> 13342

<211> 312

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220146f06d1

<400> 13342

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ggattgttggtg tgtgtgtttc atattttttt ttctgttata gattttctgt tcgggcttac 60
atagaaaaaa gcaaccaaag ggcgcattggg ggcgaggcaa aaaaaccggt gaaaaggggg 120
agagaaagga ccaaaccggt gagggccccc gggaaaaagg aaaaaagggt gaaaaggggc 180
ccgccaacga agagggttggt ggcaacactg cacacaccgt aagcatttca acccccgtcg 240
aggaaggggg gaaaaggaaa cccccacat tgggaggcca gaaacagaga accctggagg 300
accccccggt gg 312
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<210> 13343

<211> 575

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220146f08a1

<400> 13343

ttttcaattt taatttcctc tcaaacccta accctaacc taaccctccc cgtcacaaaa 60
gaaaaccctc ttgtccgat catcgctcgc aagatgttgg aactccgtct cgtgcaaggc 120
tccctcctga agaaaggttt tggaatccgt caaggagctc gtgaacgacg cgaacttcga 180
ctgctcctcc accgggttct cctccaggc catggactcc agccacgtcg cctcgtcgc 240
tctcctcctc cgatccgagg gcttcgagca ctaccgtgc gaccgcaaca tctccatggg 300
catgaacctc aacaacatgg ccaagatgct taagtgtgct ggtaatgacg acatcatcac 360
catcaaggcc gacgacggca ggcacactgt cactttcatg ttcgaaagcc ctacacaaga 420
caagatttct gattttgaaa tgaagctgat ggacattgat agtgaacacc ttgggattcc 480
ggaggcagag tatcatgcta ttgttaagat gccatcctct gagtttgcta ggatctgcaa 540
ggatctcagt agtattggtg acactgttgt cattt 575

<210> 13344

<211> 539

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220146f08d1

<400> 13344

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taagaaatcc acaaaatgtg aattcattgc tcacacgggtt aaaatatctt caacagaaga 120
tgtatgacga aagctacaag ttcaaagaca ttaaaatcct aatatacctaa cccaaccatc 180
taataggtag attaaacttg aggtttcgta tcttcttcat cctcttctat cttgggagcc 240
aaatagaacc gcacataacc catctcagca atcttgtact caacaacaac tggcaactca 300
tttgaaagac taatggtaac tgtgttagac aatggcggtt cctttgtaaa agagttcata 360
tatcgcaaag caaatgtcaa ggacacgggc tcattcatct caatgacagt tgcttcttca 420
ggcttgcca cagaagtatt ctgcctacaa actatattgg cagttccaat atctcctttg 480
gtggaaaact tcacaccctc cttagtaacc gaaatgacaa cagtgtcacc aatactact 539

<210> 13345

<211> 586

<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220146f09a1

<400> 13345

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agaactgatt gcacttaaag ctgtaattaa gtgtattgaa gatcacaaac ttgatgacca  180
gtaccctctg gatcctctcc agaagcgagc gacccaactc gagaaggcca aggctgacaa  240
gaaaagggtg actgaagcaa caaagcctca acccaagaga ccccggtgcta atgggtgtggg  300
atatggccccg cgtgtcacta acattctatc tgacaaaact tcttatgcta gagttgctga  360
caggtatcct caatacgtgt atgaccgacc ttacatgtac cctgcaccaa ctgacaatca  420
ctgcctcctc ctcattgggtt ctgcaactta taacatctct cctaatactg gcaactactt  480
tggaatggc tatcagtacc aagctacata tctccactag ttagcacaga tgatggtgaa  540
ctgatgacta agaagctaca tatecctttg ttaatattta gtctta                    586

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<210> 13346
<211> 405
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220146f09d1

<400> 13346

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aaccaaaaac aaaaccaga ccaaacaata agggaacaaa aaatcttcca acccagaagt   60
taaaaattaa catgacattt cacctgatta caaaatTTTT aaagactacc ttaaggaggg  120
gcaccctaac ccagctaaag ggctaaaact taacaccaaa taaaaaaca ggggatatgt  180
agcttcttag ccattaatca acccacatcg ggccaaacca ggggaaaatt gcacctgggt  240
cccgaacccc ctatccaaag aaattgccaa gattagggaa gaagtcataa attgcaaaac  300
ccttgaaagg ggggcctcga ttgccattg gggccgggaa catgtatagg gcggccaaac  360
acgctttggg gatccccgag ataaacctta acctaacaaag ttttg                    405

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<210> 13347
<211> 607

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220146f10a1

 <400> 13347

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cttctcgtgt cttctctctc tttgcagtgc aaacgtgggg cgggatcccg tttcaaaccc 60
cgtttttgat ccgactccga tcccatttga agaaataact tgattacctt gcttttctcc 120
ctctcctgga gatgcataaa aggaaaagct ttagtttccc cttttgggtca cgggacacac 180
cgtttacggc atgcctagga actaaaggca cattgattca gaaattgtat ccaagttgaa 240
cagcatgcta gattagcata acacatgcaa aatcctttcg aatggctaga gatagattta 300
aagatggatt tgtgcatgat cttaaattga agttgatctt ggatagagtt aaggatgata 360
gaatatataa catgtctcaa gtttatgaag tagctgcact tattgaagggt gacgcggaca 420
gagtataaaa aagatacata atcttggaat cacaaaatgg acaactccaa agactagatg 480
attttcatgc angttattcg ggactctagt atctactttt attctcgtat gttaaggatg 540
ggtatagaca tgatgtccct aattgagcta cacatacttt agaaaattgc ataagagacc 600
accttac 607

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<210> 13348
 <211> 489
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220146f10d1

 <400> 13348

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aaagatcctc aaaacttttt caagatgatc aacaactttc aaatggatca actcaagaaa 60
gccaacccctt tggtttggga cttacatgta aatgtcacia atcaatgtca caaacaaatc 120
aagaaagcca aactaccac aaatcaccat cccattaaag gccaatgat tcatatttct 180
acaacctcaa acaagtgtgg aagggaatat gactcttttt cactgtttg aaccttggtc 240
ttgggcattg gtagttgatc gatgccggtt gcagaatttg tcaacctgta actttaatgg 300
agtgatccta ataaaaaaaa gtctttttaga ctctagcata gtataaccat caattaccaa 360
ctactgaaca tgttttcttg accaaaatat ggtttgagct tcggttcagc ttgaacgaat 420

```

cctaaaataa agttcttttg agatactagg tgggtctcttt tgcaaattct gagtttgtgt 480
ggctcaatt 489

<213> Glycine max

<223> Clone ID: jC-gmf102220146g01d1

<400> 13351

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ccatatgtaa atatttttag catagaattg gataacatta acatcatatt tctttgaaca 60
gattctcttg taagcatcat ttcacatgat atgataaaat tacaacaaaa attctgatga 120
acataactgg gcaaaaatga aggaatgcmc tttgagcaag aaccataacc ttatgtcggg 180
tattcagggg aggacattac aactgataag taaaaattgc caacccaaga tgtattccaa 240
tccttttgta ctatagctct tctatctcca attcaaattt ttaactcttc tgatcagggt 300
ggaatgggag tataaatgca gaattcattt gccaaacttt tagtgagggt gtcacagtgg 360
cctcggtagc attgttgaac aagaacaacc tatcagctcc atagattgcc tttgttggat 420
aaacccgaga tgtcacaacc gtccttcac cttgagcaaa gctttcaaca atagaatggg 480
ccaccagtat ccgcaaggaa aacttttcgc ctttaagaac tggaacagcg c 531
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<210> 13352

<211> 330

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220146g02d1

<400> 13352

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ttgtttttat cataatgaca cagaagtccc caaaaaaaaa taaagacaat aaaaatagac 120
tacaacagtc aaatacacat cattcgaaaa caaagaccaa acaacaaaaa catactgacc 180
ctacctaaag ccagaatggc aaacaggaca aaactaacia caagacaaac agagcaagaa 240
aaaaacaaaa acctaaaacc ccaacaagaa cgactatcaa taaaaaaaaa aaaaacagcc 300
aatcaaacad cataaaciaa gggaataaat 330
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<210> 13353

<211> 398

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220146g03d1

<400> 13353

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cacactacgg ccgcccttta ttgatgtatc gctttgaaac atcttgatat ttttttatgg 120

cttgttgaat cttcgggtata taatcattat attttgtgat actgttccat tgcatagaca 180

agcaactcaa aacaaagtgg aaccccgagg agagaaagtc cgcttgcctc acaaactcctg 240

caagccaaga cagatcacag ccaccagaac aagggaactc tgaaactctg cgcccagagg 300

aaaagccaga aaacaccaca cacagagaat caatttaaaa aggcccccg cgaagaaaaga 360

gaggctgctc tatcccaatg ggctatgaca gaacttgg 398

<210> 13354

<211> 546

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220146g04d1

<400> 13354

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acttcaaaat aacagcatta atatcctcaa cataagattt tacatgcctc tcccatctta 120

agaaaaatac atatgaatgt caattttgta tcaaaaaggg gggaaggggg ggacacaata 180

attgatataa atagagtaca gaacacccca actcgaaaga gataaactta atgataattt 240

aatgaagcgt aagttgtatt ttgctaattc cttccccatc ctctgattct ctaatcatct 300

gtatgcgaag cttttttatc tcattgacta gtgcagatcc aatagtaccg caatcttata 360

gtgaactagg tgtaataaca cttaaaaaaa aattaagatg aggccaatgg gagtaattta 420

aataactttc accaaaactt tttatgtctt caggtcatca gacatcgag aaggtatata 480

atgcgtgggtg aggatgtcta aagttgcggg cttagcagtg ctagtcttca acactacctt 540

ctgttg 546

<210> 13355

<211> 483

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220146g05a1

002220.F.F.ESB

<400> 13355

ctcgagccga ttctaacaca tacactactc tctctctctc tgttattgca tggccgccaa 60
ttccagtagc cgagggatca ccgccttaag gaagcgagtc ggcaaccgga tctggacttc 120
caacgcacct actctcacgt taaggagggg agcatacagc tgcgggtcag tgtacgacaa 180
gaaccctgat gatgagatcc agtctgggca ggtcccagac gacgtgatcc aagcggcaac 240
acagttcggc aaatactggg cccacatac acagactggg gtatttgggc cccccggagg 300
aggtgaccaa actgcttctg acattcactc tgatgcgctg gaagagaagg ctctggcttc 360
gccccaccaa tcttgtggat ttcgagaagc ctcacacct tccttcacaa ccggtggagg 420
acatcatatt ctaatactga attacattaa cactgcgtca cactctcaag cgtgggtcttg 480
gtt 483

<210> 13356

<211> 443

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220146g05d1

<400> 13356

ctataataat actatgtgta acattaaagt ggcataaaat gagaaatcca tgatgcataa 60
ggtagttcat gtgactggta tgctccggta cagcgtagca tgcagtgcag attgaagctg 120
aggagttatt aaacagctag ttggaggaag gaaaccaagg acacacctga taggctgaca 180
cagtgtttat ttaatgtagt attataatat gatgtcctcc aatggttggt aaagaagggc 240
gtgaggcttc tcgaaatcct cgagactggg ggggcgaaac caggccttat cctacagcgc 300
atcacagtga atgggctaag ccatttggtc acctacttcg gggggcccaa atacccatt 360
ctgtggatgt ggggccagc atttgccgga ttgtgttgcc gcctgaatca cattgtctgg 420
gacctgccca gactggatct cat 443

<210> 13357

<211> 539

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220146g06a1

<400> 13357

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 gtgacagcta gtgattcaga agccaaacct gccaggcggt cagtgaataa ggcacttggt 120
 cagaaggctg atgtgaaaaa aactagtgtc gtagtttcag taaaaaaagg aagttgggct 180
 gcaaattgatg cagatgcaaa aaagcactca gccaaagaat ttgatgaaaa caaaaagggt 240
 agtgggtggat cctcttcaag gcagatggag gacaagaaaa agggaggtcg ggggaaagct 300
 aactctgaag cagatgttgc aaaatcatct gctattgatg tggacaagga aatgggttct 360
 tctccaacgt ctggtacaaa atcaactaaa gatggaaagt cagaggagac tccaagaca 420
 aatctgaaaa gggaacgcac tccaggaaaa gataatgagt ctggtgtgaa ggagtatggt 480
 gaaaaccttg tcggtttacg ggtcaaagtt tgggtggccta aggatcgtga gttctacat 539

<210> 13358

<211> 382

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220146g06d1

<400> 13358

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 caagcccaca agcccccgcc tccccaaaca gaggcggccc cccccaaaaa aacccccggg 120
 ggcccccaaa aaaccccccc ccagcgcaaa caacccaag aacccccccg aaccccccaa 180
 caaaaggggc ccaccaatc ccagggaac ccaggacatc cccccccggg gactcccccc 240
 ccaagcctca aacgcccccc ctacccccgc atcagctact gccccccagg aggaaaaaac 300
 taaagcccc acaaaaaaac cccccgagg accaaaaaaa agccccccct atagggaaaa 360
 cccggggggc aaaaaccccc cc 382

<210> 13359

<211> 610

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220146g07a1

<400> 13359

0953143 032200

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aatctgatta aaaagaaaag aaaatgtcat ccaaccaa atctgcagca cttaaagaaac 120
aatacatggt tgttttctga tttaaatgcc atttaattat gtatttttta ttattttctat 180
tatcttcaac atttagtgga actttcgcag tgatttatga tgtcaacttg cattttttctc 240
taattttacc taagaaatca aggttctgat atatataaca caatattatt atagggctct 300
actagttttt agagtctaag atagaccatt aataactaat cactcctcac caaactgtat 360
aaatttgatc taggtatcct tataaccaa aatcatgaaa gtaactttca cttaaagtagg 420
ttttgcatga taatttcgtt tagtggtcca aaaaccatgc atctatgttt tcagcagcct 480
tgtattgcac cttacttgct cctctatcat gcattaggag ttaggaaact agttacacta 540
anttgaacc gtttaatttg gttttatata gcttgaaacg tcgagggtaa gtctgatata 600
gatgcataat 610

<210> 13360
<211> 586
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220146g07d1
<400> 13360

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ttaaatacta taaccttcat gccacatcct atgtctatgg cttaaagtttt aatagtttta 120
agtcagtcac tgctgttttt atgcaaaaac aaattaacag aagaacaagc agcatttaca 180
catttccaac agcaagaggc attttgactt tggccttagg tgtttgctaa ttttatttat 240
gtagccatct aaaatactga gatcttaggt caaagcatcc atccaggaat aaatccattg 300
acttggtgag cttgagttgt ggcagctagc tgctgctctg aggcttcagg gatgtacctg 360
tagtcagaac ctatctgcaa tgtgggggtg cactocaaag gctggaagaa gccttgagag 420
tgagcatttt gggttccata tggcatactt tgctcaccag cttcccatgt ttgcctatac 480
tggtttcttg aattgatttc ttccagcttc atgggtcaaag atctgtttgc tttcaccaac 540
atatgnctcc ttatctgaag atcagctaac tggntcagca tgaact 586

<210> 13361
 <211> 503
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220146g08a1

<400> 13361

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 tgtgtgtcac tattcctgct gaggaacac ctctatatcg tttatcctt ttgctatttc 120
 actgtgtctc tcctgccggg gggaggtaga catgcacatt ggaatgatgg tgatgatgac 180
 tcaagcattg aagaccattg tgtcatccta tcatgactat gacaagaatt cccgtctatg 240
 tcctttgcct atcagtcgat ccagaagccg tcagtggcgc caatgccgca ttggaacctt 300
 tgctgtagcc atagcagcac ttcttatatc taccactgct tggctttccg ttgtcttctc 360
 tgatgcaact acctgttgct ttcatcactt aaaggattgg gaaagtagcc cccactcttt 420
 caattggaag aagtgcattc ctcatcgcct tgcgaaagta aaacctccac cagctctcca 480
 atttgagacc atgaatgatc atc 503

<210> 13362
 <211> 592
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220146g08d1

<400> 13362

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 aaaaaggcca aatcaatgta caaacataa tcaatcaata gacagaacta aaagttccct 120
 tcccacactc tccaactgag atttgaggta tttctttgcc agcttggctt tgcggcaac 180
 agagacgtcg tggaacctga tgccaattct tgctcaaagg ttgcactgct acccgatct 240
 ctcccacatt gcgcagaggg gggaggagag gaaagcataa aattctcttt ttgaaatcat 300
 ctttatctct accccgaaca tatgaacccc aagaagcatt accctctctt ccagtatctt 360
 tcaagaagaa tcgagtgggc cctttacaaa cagatttgta tggttccctg gcatcgaaat 420
 caaattcatt tgtttgacta ataccattcc aagcagagta agttctttca gagcgctcca 480

gttctcgagg aaaaacaatg ttaggcagga cttgtacgac ataaccagtg gacaccgaat 540
atgttagatg ccgtgcatgg tcgtaacata ttgaacgctg caaaaagctt tg 592

<210> 13363
<211> 568
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220146g09a1

<400> 13363

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cagtgagggg cgtgaagtcg aagggcgagg tcgacgaggt ggtggcgagt ggctctccgg 120
ttatcctcca cttctgggcg tcgtggtgcg aagcttccaa gcacatggac caactcttct 180
ctcacctttc cactgatttc cccaacgccc gttctttaag ggtcgaggcc gaagagcaac 240
ccgagatttc tgaggcttac tccgtctccg ctgttctttt ctttgcttcc tgcaaggatg 300
ggaagacctt tgatacattg gagggagctg atccgtcaag cttagccaat aaggttgcta 360
aagtagcagg ctcaattaac cctggagaat ctgcatctcc tgccagtctt gggatggctg 420
caggggcttc tgttcttgat acggtgaaag aattagcaaa agacaatgat tcttcaagga 480
gaaaaatcaa gttcaaccag ggcttagtgg tcctctgaaa aagagaattc agcagctttg 540
tgactctaata cctgtcatgc ctttcatg 568

<210> 13364
<211> 436
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220146g09d1

<400> 13364

ccaccaaata attatgtaat atataacaat ttctaactctg atgggaattc atgcatgttc 60
agtataccat tagttgaggg tccacactaa catttttaaaa atcactgacg ggggcttata 120
aaaaacccat gtagttaatg aggggcataa aacacaacct tcaaaaatgg cttctaggac 180
ataacccatg ttatttgagg gaataataat aatcctactc agataaagtg gactttggct 240
ccccattatt tcgcaggtcc cttacaatat catgaccacc aatcagctca cttttgaagg 300

aaagttgagg ataggttggc caattggggg atcccttaaa tcccgggtgtc acttttcta 360
 aggccaattt atcaatggac ccaaaattca agcccttttg tcgaagggca tcagcaactt 420
 tggaactaaa accaca 436

<210> 13365
 <211> 578
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220146g10a1
 <400> 13365

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 accgctcgta agtccacagg aggaaaggct cctaggaagc agcttgcaac caaggctgca 120
 cgtaagtctg caccaactac tgggtggtgtg aagaagcccc accgttatcg tcttgggtacc 180
 gttgctcttc gtgagattag gaaataccag aagagtaccg agcttttgat ccggaagctc 240
 cccttccaga ggctgggttcg tgaaattgct caggacttca agactgatct gcgtttccag 300
 agccacgccg tgcttgcatt gcaagaagct gctgaggcat accttggttg gctctttgag 360
 gacactaacc tgtgtgccat tcacgccaaag cgtgtaacca ttatgccccaa ggatattcag 420
 ctggcaagaa ggattcgtgg tgagcgtgct tgagttggtg gttggaaaga tgaagatgat 480
 tgggtggctgc gggtggtggt tttgtttttc agattccttt ttttattcaa tagatggngt 540
 tgttagggag ggtaggtttt ctgctggtag tagcatta 578

<210> 13366
 <211> 374
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220146g10d1
 <400> 13366

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 ctgccaaagc gaagaataaa gggggggaaa aacccgggag ggaaaaacca agaggggggg 120
 gatttaccac aaacagtggg gcaaaaaaga accgcaagcc aattttccaa aggggggaaa 180
 acccaaccgc ggaccctac aagactgagc cgaattccca aagaaaggcc ccgcccgc 240

aaaaccaacc cgccgaaaca cccccagttg tggaaaaaaa aaggggctcc gaaaaaaaaa 300
 aaccccgccc ggggcgccc aataatgcc aatgtccaac ccccgactcg agggccccc 360
 cccgaaaacc cttt 374

<210> 13367
 <211> 179
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220146g11a1
 <400> 13367

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 tgtgaaatct tcaagtagag aacaacagaa tctaaaatgc aaaattgatt ctagacatgg 120
 agggcctggt atttccaatg atacaaaatc ctttagcatg cccaagtga atccaggaa 179

<210> 13368
 <211> 398
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220146g12a1
 <400> 13368

ggtgtgttgt gtggttttgt ttggtttttc acttttcttc atctttttgc gagaagacac 60
 acacacagag agagatggct cccacgagga ttggggcaca gaacaacccg cttacaaaga 120
 gcgtgtgcac tctgagcacc gcatcacggt cgtgtccaat gatcgataat cttttgcgag 180
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 ccctcgacat cctgcggggc gtcgtggaga acaccgtgat tctctgcgcc gtcattgctcg 300
 acaccaaggc gcctgagatt ctgaactggt ttactcaagg acggaagagc ctatccaact 360
 gatacatggt gatgaaataa ccatccact gactatga 398

<210> 13369
 <211> 327
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220146h01d1

<400> 13369

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 ggggtgtttt gtaaaacctt tccattaaaa aaaaacctaa attcaacca aaaccggggt 120
 ttctccgctc tgatttttaa aaaaaccccc tccttttttt ccaaacaaaa agccaacccc 180
 ttttaaagct ttgggggagg accaacccaa atggaaaaga aaaacccccg ggaaaaaaaa 240
 atcctttttg acaattggca ccccgTTTT tttccccct tttgattaga tttattgtca 300
 acccaacccc accaccttgg ggctaaa 327

<210> 13370

<211> 507

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220146h02d1

<400> 13370

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 taaatttcta gtggtaaata aaaaatcatc caacctagag atctttaaca acggaccgag 120
 tggaagagat atgcacacct agcacagcac ctaccataaa cttaggcaga aaatctttga 180
 gcattatTTT gaatgcaagt ggcgtttaca gcttacaaca aacacttgcc acacttttta 240
 tgctaaaatt agagagaagt gtagggtcaa tctccccatt tccagcatga atagcatcaa 300
 tgaacttgca tgagtcagca cattggaaat ttcttcaaaa ccacaaattg ctgcaactat 360
 ggaaccaaac tctctcagt gtgtaattca aggcacacaa gcaatcaatg agaagaccat 420
 caaccaacct ctttgcatta gaaacaaaaa gggtgcattg tggcttatgt gaatgattcc 480
 tgcaacagtt ccttaaatgg atatgtt 507

<210> 13371

<211> 405

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220146h03d1

<400> 13371

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gcactacaac ggaagaaaac tactagaatg atacatctct tgctcactgt caagcaccat 120
 gatgaacata ccgtacaacg gttggcacca aaccaagcta aacaaaagga tgaaaataag 180
 tttaacatga atagatcctt aacccatgga ggtatactcc tggttttaag gaaaacctag 240
 catccccctg gccactttat ctcaggtaca gtttctatgg cctataacat acctgtgtcc 300
 aagggatggg ggacattcat catactttgg ctaagcacat taaatttggt ctaaggtgct 360
 taaggaactc accttggacc ctggaatcca aacacttgac ttctt 405

<210> 13372
 <211> 526
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220146h04d1
 <400> 13372

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 atagttttta aacaaacata gtcacgata gattatgcta atcttctgtg tcaaaggatt 120
 ttagaacaag catcattata gatagatcat gccacttgcc atatagtttt gaaacaagga 180
 taattgtata gagattatgc cctcaccta taactcagtt ctacaattaa cattatgtat 240
 caatacacat gtcgatagat acattacttc tctaataaac aggaccctct caaagcatgt 300
 gtaaacacag aagaccttgc acagcatata taggtaaaga catacctggg tgtcacatct 360
 ctaattttgc accacctgaa tgtcgacacg tcagagcgac agaacadata taaaacata 420
 ctgccttcga ttatggatcg gaactggaca ttgggcaatg acatttgcag atacctacta 480
 ccaatgcatg tagtaaaacg tggcacaggg atgaatatga ctgctt 526

<210> 13373
 <211> 461
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220146h05a1
 <400> 13373

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 gaggaggaag aagaagatga agaaggtggt ggtgttggtg gtggaagaag tgtgatgaaa 120

catagcggcg agatttttcgg gttctctgtg acccaaatg aagaagagtg catggacagt 180
gaccatccac ctgtgactag acaatttttt ccggtggaag atgctgacgt ggcggttgca 240
accggtggtg gctggtaccg gcgtaagctc aacgttcctt cgtgctcact gggtaagtgt 300
gaaattttgc caatcagaaa cacttggcac cggataatca tcagcgaag tttctcagcc 360
tatgaagaag agtcgccgag gaccgctgtc aatgagctct cagtatagag gagtcacctt 420
ctacagaaga acgggtcgct tggagtctca tatatgggat t 461

<210> 13374
<211> 309
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220146h05d1

<400> 13374

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ccaaattggg atttcccttc tttttgagag tctttccgaa taacccttcg tttttcaccc 120
caaaagaaaa gttggggggcc tgggtgacca gggggctggg atggacatgg acccgatcta 180
acccgggatc ctatttaacg tgcgtagaaa agaaaataat aatttttggg gggggaaaac 240
ctggaagggg tacaataata agtttacttt gggggcccat tacgataatt tgaaaggaac 300
cagaacttg 309

<210> 13375
<211> 548
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220146h06a1

<400> 13375

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gaggaggaag aagaagatga agaaggtgtt ggtgttggtg gtggaagaag tatgaagaaa 120
cgtagcagca agatttttcgg gttctctgtg acccaaatg aagaagagtc catggacagt 180
gaccatccac ctgtgactag acaatttttt ccggtggaag atgctgacgt ggcggttgca 240
accggtggtg gtggaaccgg tgtaagctca acgttccctc gtgctcactg ggtaggtgtg 300

aaatTTTgcc aatcagaaac acttggcacc ggaaaatcat cagtggaaagt ttctcagcct 360
atgaagaaga gtcgccgagg accgaggtca aggagctctc agtatagagg agtcaccttc 420
tacagaagaa cgggtcgctg ggagtctcat atatgggatt gtggaaaaca agtgtatcta 480
ggTggatttg acacagcaca tgcggctgct cgtgcatatg atagagcggc tattaaattc 540
cgaggagt 548

<210> 13376
<211> 323
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220146h06d1

<400> 13376

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cccaaattgg aatttccctt ctctctgtga tccattatga ttaacctttc attttcaacc 120
acaatagaaa agtggcgggc ctgtgttacc agggggctgg gctggacatt ggacccagtt 180
tacgactgga ggctaattta catgcttaga aaagaaaata atgatttttg gggggggaaa 240
ccctggaagg gtaacaataa ttatgttcct tagggggctc attaccattt tttgaatgta 300
actagtactt ggggagggga aaa 323

<210> 13377
<211> 582
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220146h07a1

<400> 13377

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attccaagtt cattgcgaga tcttctaaag cctggccctg caagtgttga aatcgatgat 180
caccctatgc aaattgaaga aacacagtac ccgaaaacct tcttctataa agaagacctt 240
catccaggca aaacaatgaa agtacaattc agcaagcctc cctttcaaca accatggggT 300

gttggtacat ggtaaagga aattaaagac actactaaag aaggatatag ttttgaagag 360
ctatgcatca agaaagaagc cattgagga gaagagaagt tttgtgcaa atccttgga 420
acagtaattg gttttgcat ttcaaagctg ggaaagaaca ttcaagtact ttcaagttcc 480
tttgtcaata agcaagacca atacactgtg gaaggagtgc agaattctgg agacanagca 540
gtgatgtgtc ataggctaaa tttcagaact gcaagtattt ac 582

<210> 13378
<211> 507
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220146h07d1

<400> 13378

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gttgaaattc tagctctagc aatctagcta gagaaggtag tacttgaca acacacagca 180
catgataatt tattttatac acaatctcat tctcatggtg ctcaagatgc atggactaat 240
taagcaacaa tgttggtctg ataggcagt tccacagata aattgggtac ccataaaatg 300
gccttgcttc caaggaaatg gcaaacaggg ttagttccag gatcaactcc cataagatga 360
tgaagcattt gatgattcat tccagacgta tttgagtggc aaatagcaag tgcctgagtt 420
ttggttccat caccagccac caatggaacc atgaaagctg ttgtttcacg gacttcatgg 480
cagtaaatac tgcagttctg aatttag 507

<210> 13379
<211> 467
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220146h08a1

<400> 13379

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cagcagcagc agaagtcctt gaagtgtctg tctagtttga ggcacaatga gattggagaa 120
atgctgggtt tgctcttcaa ccatataccc tggacatgga atccagtttg ttcgtaatga 180

tgcaaagatt tttcggtttt gtagatctaa atgccacagg aacttttaaaa tgaagagaaa 240
 tcctcgttaag gtaaaatgga ccaaggcata tcgtcgagtg catggaaagg atatgacaca 300
 ggactcaact tttgagtttg agagaaagag aaacaggcct gaaagatatg acaggaatct 360
 tgcggagaat gtcctcaagg ccattcctaa gattgataag atcaagcctc cggggggaag 420
 agagacacct tttgaacagg atgaaaggca aagaggaaaa attgctg 467

<210> 13380
 <211> 559
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220146h08d1

<400> 13380

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 aatcttgttt gagaatcaca tcattcacac taatgatcac aacgaaactg gtaaactgga 120
 ccttacaggc aactaattta gcaacaaata ttaaaatagc aaaaattaag tgcagcattg 180
 ttagaattac tcttccatgg catgattctc ctctgattgc tgttgggaaa ccttgacttt 240
 gatctttggt aaagtgagag atggatcctg ttgaagcaca gaaggagctt tgaccaaact 300
 gatgcctgc tccaactcct tcaactgcctc cttcagcaat ttttcctttt tgcctttcat 360
 cctgttctta tgggtgtctc cctccctcga gactctgate ttatcaatct taggaatggc 420
 cttgaggaca ttctccgcaa gattcctgtc atatctttca ggctgtttc tctttctctc 480
 aaactcaaaa gttgagtcct gtgtcatatc ctttccatgc actcgacgat atgccttggt 540
 ccattttacc ttacgagga 559

<210> 13381
 <211> 498
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220146h09a1

<400> 13381

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 gtatgtcatt ggtacatcca caaagggtgga catctctggt gttaatgttg ataaatttga 120

tgacaagtac tttgccaagg aagccaagaa aaagaaaaca aagggcgaag gcgagttctt 180
 cgaggcagag aaggaggaga aaaatgtgct tccccaagaa aagaaagatg accaaaaaac 240
 cgtggacact actctgttaa aggccattga gaatgttcca gacctcaagt cttacttggg 300
 tgctaggttt tctttgaagg cgggagtga gcccacatgag ctagtcttct agagtgtctaa 360
 attcattttc ttcattctgt ttttgcgaa gcttgggtccc aatagttgca ctgttttttc 420
 atcatgataa tgaacattgt tcaagaagtt cttattccag ttgtgggttct aagtatttta 480
 tactttctata gttctact 498

<210> 13382
 <211> 497
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220146h09d1
 <400> 13382

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 aatgttcatt atcatgatga aaaaacagta caactattgg gaccaagctt cgacaaaaac 120
 agaatgaaga aaataaattt agcactctag aagactagct catgggggctt cactccggcc 180
 ttcaaagaaa acctagcacc caagtaagac ttgaggtctg gaacattctc aatggccttt 240
 aacagagtag tgtccacggt tttttggaca tctttctttt cttggggaag cacatttttc 300
 tctctcttct ctgcctcgaa gaactcgctt tcgacctatg atttcttttt cttggcttcc 360
 ttggcaaagt acttgtcatc aaatttatca acattaacac cagagatgtc cacctttgtg 420
 gatgtaccaa tgacatacga ttggttacct ttctgagagg aacccattg atcttaaagg 480
 gaccagttac aagaagc 497

<210> 13383
 <211> 450
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220146h10a1
 <400> 13383

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acctgtcatt ggtacatata cagaggtgga catctttggc gttaatgttg ataaattaga 120
 tgacaagtgc tctgcatgg tagccaagaa aatgaaaaca aagggcgaag gcgaggtcct 180
 caaggtatat aaggaggaga aaaatgtgct tccccaagaa aagagagaag accaaaaaac 240
 cgcggtcact actatgttaa aggccattga caatgttcca cacctgaagt gttacttggg 300
 agctacgctg tgtttgatgg ccggaatgaa ggccgatgat ctagtcttgt agagcgctga 360
 agagattatc ttcattctgg ttcagtcgaa gcttggctcc aatagtggta ctgatttttc 420
 atcatgataa tgaacattgt ttagagagtt 450

<210> 13384
 <211> 498
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220146h10d1
 <400> 13384

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 aatgttcatt atcatgatga aaaaacagta caactattgg gaccaagctt ctacaaaaac 120
 agaatgaaga aaataaattt agcactctag aagactagct catggggctt cactccggcc 180
 ttcaaagaaa acctagcacc caagtaagac ttgaggtctg gaacattctc aatggccttt 240
 aacagagtag tgtccacggt tttttgggtca tctttctttt cttggggaag cacatttttc 300
 tcctccttct ctgcctcgaa gaactcgctt tcgccctttg ttttcttttt cttggcttcc 360
 ttggcaaagt acttgtcatc aaatttatca acattaacac cagagatgtc cacctttgctg 420
 gatgtaccaa tgacatacga ttgggttcacc cttctgagag gaacccatt gatcttaag 480
 ggacccagtt caagatgc 498

<210> 13385
 <211> 440
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220146h11a1
 <400> 13385

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gtcatttgaa aatacactta tcacataatt tttgggtctg cacaggatta aaccttcaag 120
 tgggtcaaaat atttctcttt acttttttga gaaatacatt ctgcacagga ctgaaagtgc 180
 catcggaggc tcgatttaaa atgttttttc cttgggtgat catcagacaa gatataaact 240
 gatgagagta ctacgctcat ggaattggca tctgatctac agcttctacc tgcattccatc 300
 ttggagagag tgtttactag aggacatagt attacacagc atattgttgg aagcacatca 360
 catgatggat tacagtcttc ttctacgtgt tcactataga actgccagc atttacgttc 420
 taacgtttga tacaaccaat 440

<210> 13386
 <211> 443
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220146h12a1
 <400> 13386

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 acgcaacatc aaagatgagg ctaacatact gcaggggcgc acctgcctca acgctagtgc 120
 acacaaacca ggatcacacc gagagccttc tcattacgca tgacctcagc ctgcccacaa 180
 actatatgga tggtgaaagg acacctccaa aggaacatgc atagacgacc actgtggata 240
 gtatgcagca gatggcaaaa caattcagtg aaaggacgcg catcacgga catcttcac 300
 tgggaagcaa gggtaacatg ctcaatagaa caggagctg gatggctgat gcaaacatca 360
 ccaaatecct tgccacgggt ggatattcaa tgactctacc cgaactgaaa ctgatcaagc 420
 tgaccacgga cttgactgaa gaa 443

<210> 13387
 <211> 291
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220148a01d1
 <400> 13387

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 caatattacg cacaagtaca ctaacgagct aaacattctg aaattcccag ggcctagta 120

aaagatatta ccacagatct ctttaagccca agggatgggtt ttccaaaagg cctaacctga 180
gacccacggtt tcttgggaaa cttcttctat caaagaccct gatgctaaac attgctaaat 240
tctgattagg aaacgggtacc taaaatgggc ttgcttagga cctattaaaa g 291

<210> 13388
<211> 507
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220148a03a1

<400> 13388

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ttatcttgca ggaacctacc aatgccctta gaaagaccta cattgtgtac atgggaggac 120
attctcatgg tccagaccct atgcctagtg atctggaaac agccacaaat tcccatcatg 180
atttactcgc ttcttactta ggaagtcacg agaaggccaa ggaagcaatt atatactcgt 240
acaataagta catcaatggc tttgctgccc tacttgaaga ggaagaagca tcacagattg 300
cacaaaatcc aaatgtagtt tctatgatct tgagcaaaga gcgcacattg ttcactacca 360
ggtcatggga ttttcttgga ctggaaaaaa atggaaaagt cactgcaaac tccgcttgga 420
ggaaagcaag atatggagaa aatataatca ttgctaatat tgatcaaggg tttggcccga 480
acaccccagg ttcagcgaca taggata 507

<210> 13389
<211> 554
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220148a04a1

<400> 13389

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agctctgggtt gggatatccg gcaagctcac ccttaggggtg gtcctaacat gtgtcatggc 120
agccactggg ggattaattt ttggttatga tcatgggggtt tcaggtggag ttacctccat 180
ggattctttc ttgaaggaat tctttccttc tgtctatgaa caagagtcta ccatgaaagc 240
ttcaacagat agttactgca aattcaacag tcagatattg actttattca tttcatcttt 300

gtatctaact gctcttgtgg ctggtctagt ggcattccagc ataacacgat tgatggggaa 360
 ggcggtgcaac tatgattata ggtggcatat tctttgtgtt aggtgcatta ctcaatggat 420
 tagctacagg tttatggatg cttattgttg ggagaatgtt gcttggtttt ggtattggat 480
 gtgccaatca gtcggtacca atctatgtct cagagatggc cccctataag tacagaggaa 540
 gtctcaacat atgc 554

<210> 13390
 <211> 365
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220148a05a1
 <400> 13390

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 atctccttag tgacggtgat cgaaccggga aaagcgtacc atgagaacgc tctgtcctgc 120
 gagttcgaaa tgtagtctgg agaagctttg taagcgtctg accacacca agtggtgtgg 180
 gaggtcgcg cgtacagggg gagagaccag ttgtgctcgg accttgctcg atcactaggg 240
 gctgcaagcg actcgagttg tttgtgattg cagtcccaat aagccgttca attacagaca 300
 aggctgaata ctgacgagag accggtcgcg aacaagtgcc gcgagggcaa agatgaaaag 360
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<210> 13391
 <211> 539
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220148a06a1
 <400> 13391

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 tccccctca agagctccat gctcatgagc tgcgagttta accttcccgg tacaaccggt 180
 accccgttgt ttatgcttca cttcaaacc cgcttcggcg actttacttt caagaagacg 240
 cagtcttcga tttttgatgg gaaagggttt gggctcttta acacgcaaaa cgacgccgtt 300

gagaatggga ataatgctga aacgccgttg atggaatcgg ccaagggttc gattcttgac 360
 tccggcgcct cgatgttctc cggatggagg tggctgcgcg gacgactctg ccggtgcggn 420
 gaccgtgctg cgtgaagtcc cgggtggggag ttaggattcc ggcggagttc aaggggacaa 480
 cgcgtttcag aaattccgtt ctcgtaatgg atagatcgcg tggacacatg atggatgcg 539

<210> 13392
 <211> 498
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220148a07a1
 <400> 13392

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 ccagagaaga aagccaccct tcaattggcg gagatcaagc acgcccgtct cgccatgggtg 120
 ggcttcttgg gctttgcagt ccaagctgcc gccactggca agggcccgtc caacaactgg 180
 gccaccact tgagtgaccc actccacaca accatcattg acaccttctc atcctcctct 240
 taagaagaag caaaagaaga agaatagtct ttcttgtgcc tggtcattct agttatattg 300
 taaaagtctg tttcttcttc ttcggctttg ggttgtaatt aaacattttc tacatagctg 360
 gattagtagt acttgtgaaa aacttgtaac gtgaaattgg agaggctaag cagaaatgct 420
 tctgcttgat gttaagtgtt ctctgtgaa tgttaactat gcacgaaatc gatagggatg 480
 acgacggtan agaatact 498

<210> 13393
 <211> 493
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220148a08a1
 <400> 13393

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 ccgcaataat aataactaaaa catgtccaac tctgatggag ccactaacgc cgtccctccc 120
 aacgacgcca acaacaacac aatcggtgag taccagcagc gaaccaccac caccaccacc 180

gccgacgccc cgcacctcgc cgtcaagaaa ccgccttgca aggaccgcca cagcaaggtc 240
gacggccgcg ggcgccgcat tggcatgccg atcatctgcy ccgcccgcgt cttccagctc 300
acgcgcgagc tcggccacaa gtccgacggc cagaccatcg agtggctcct ccgccaggcg 360
gaaccctcca tcatcgccgc tacgggtccc ggcaccactc cggcgagctt ctccactgtc 420
tccacaaang cgcacctncc tncctcccc caccncttc atcctcggca aaacgcatcg 480
acctgacgac gac 493

<210> 13394
<211> 371
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220148a09a1
<400> 13394

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tacttaagta cagaagagaa gaattggagg ttgtaagagg agatgggaca gggatatacag 120
aggactatga cagaatctat gattatgatg actataatga gttgagcaat ccagatgggtg 180
gtgacccatg cgcaatcctt ggtgggtgta gcagatatct ataccctcgc aggggttagaa 240
caggaagaga tgggagctgg actgatacca acagtgagaa accagtcgat gcttatgtac 300
cgagagatga agatcttgat cacttgaagt catatgatgc ccttacatac gggctcagat 360
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<210> 13395
<211> 533
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220148a10a1
<400> 13395

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gaccgtatct ggggtgggcag ctcatgattc ttccgggcaag attacccctt acactttcaa 180

aagaagggag aatggtgtga acgatgtgac aataaagata ctgtattgtg ggatctgcca 240
 cacggacctc cactatgcaa aaaatgaatg gggcattact atgtatcctg tagtaccggg 300
 acacgagatc attgngngtg gtaactaagg tggggagaga cgtgaagggg ttcaaggaag 360
 gagacagagt gnntgtgnng gtgtttggcg gcttcatgtt tagnaatgtga gcactgncag 420
 accgatcagg anaattactg tgaaaagttg caatttgtct acacggagta ttctgggatg 480
 gcagcatcac ctatggnggc tactctcaaa ttttgtcgca gattacagat atg 533

<210> 13396
 <211> 572
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220148b01d1

<400> 13396

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 ccattcactt gttgatcacc gtgtttgaca acacagcacg aactatactg gaccacatga 180
 aactgtgcat agctgaaagc ccaacctaca ccaaattcaa acacttgctg gattttacaa 240
 aactaactta catttcctcc ttcttatgct tctgcctcat ttcttccac ccctttgaac 300
 tgattggtat tagtgttaca agtatgtaaa ccctagattt tatttcaatg ttttaataaa 360
 caaccaaga aatatgttac aagttacatg atacataatc atagcctcac ggtccatacg 420
 ctactcaaaa cctttaaaca tttcaccg tagtttagat cagatcatcc acccttcggt 480
 ttaaaaaaat cacagtcggg tcagaacttc aaaccgggac gggcgtaacg ggaacggtta 540
 cgagaggat aagagaaaga gaagattcta ga 572

<210> 13397
 <211> 298
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220148b03a1

<400> 13397

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tctttttattg agcccctgaa agaaaacaag gacactaaga aggtcattgc ctgtgatttg 180
tacattttttt taaaaaaaaa atattcctcc caaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aataaaaaa 298

<210> 13398
<211> 588
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220148b04a1

<400> 13398
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ccatgccctc gttggcatgc accataggat gccgagtaaa tgctgatgca gataattgca 180
gtttctcagt attctctcaa tctcttgaag aaaatgggtg ggtcttgctt ctatgcatct 240
gcttaccttc tgtgggctc ctgtgtgata ataatttctt tcttttagtac ccaattgctt 300
tgtccggcct agggcagcac aaaatgctgc agatgaagca aaagctagtt taggacacat 360
tgatggggat catctcacgc tcttgaatgt ataccatgcc tacaagcaaa ataggcattg 420
aaatcagcgg acagtgttag acaacaactt gtgcgaatca tggctcgggt taacttgaag 480
ttatgcatca ctgatttcaa tagccgtgac tactatgtca acattagaaa ggcaatgctg 540
gcaggatatt tcatgcaggt ggcccatctg gagcggacag gacattta 588

<210> 13399
<211> 520
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220148b05a1

<400> 13399
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cctgttgcca accagtgtg ccccgctgct caaggcctga ttgagcttga agctgcggtg 180

tgtctttgca ccactcttaa gctgaagctt ctcaacctca acatttatgt cccacttgcc 240
 cttcagcttc ttgtggcttg tggcaagtct cctcctcctg gctacacctg ctacctctaa 300
 accagtgaag ggattgagga aaatatgggc aaaatcgaca tgagaggatg tcgagccaca 360
 ctatctgtct tctgtcctga ttggaactga ctgtgtttgc tttgtctatta tttgaaaaac 420
 cgatcttgct gtaattgaga ttgttgcatg tatgttgtaa tcctaggcaa gtagcagcaa 480
 agatgcttct ctgagacatg ttcaattatt aatgtatatg 520

<210> 13400
 <211> 585
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220148b06a1
 <400> 13400

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 ctcaacctct gagctagcgc ggatctcttc gtagggtaga ctgacaccgg atcgtgagac 120
 cctgctgtga acaactgcat gctcatgctc tacggcctga accttctcga agctgccggg 180
 tccctgtgga ccatgcttaa cttgaaactc ctctacctcg actttactgt cccgatgacc 240
 cttcatctga ttgtggatgg taacgggtct gcttcttctg acacccctg ctacgtctaa 300
 gccaatgaga ggattgctga aactccgggc atggtctaca tcagaggatg tatagtcgaa 360
 ttatgtgtct tgtggcctga ctgcatctgc tgggtgtcgc tgacctatta tgtcgaagca 420
 cagacgtgct gtcattggaga ttcgggatga gtgaggaaat cctaggcgtg tagcgggaac 480
 gacgcttctc tgagacatgc gcaactagta atggatatga actgcgcgat cacatgatgg 540
 attgctggaga ttcaagaagg gaaggggacg ccgagagaaa ccgag 585

<210> 13401
 <211> 546
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220148b07a1
 <400> 13401

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gccaattcc cagcccgag tccctacggc tgctccatta acaatcaa atcggggtcg 120
 ggctgagatt tgaggttcaa acatcgtctg atattccgag aatgtaccac tccagtgccg 180
 ttttgcttcg tgacgggtcg gttctgggtg ctgggagcaa cctcacatt tattacaaat 240
 ttacgaatgt tttgttccca acggagttac ggatggaagc gttttctcct tggatatctg 300
 agcctggatt ctctagcgtg cgtcccacaa tagtgattcc tgcgtcccaa acaaaactca 360
 agtacgggtca gacgttgagg ctctgggttg aggtgatgag cgcgactntg gttggggatt 420
 cgggttnccg tacgatgctg tcgccgtcat ttaacacgca ctggttctcc atgaatcaga 480
 ggatgctggt gctggagcca cacgatttga gtaatggttg ggaatcgacg tacgaagggtg 540
 aagtta 546

<210> 13402
 <211> 505
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220148b08a1
 <400> 13402

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 taatgaaaag tgtagatgag aatgggtgatg gtagcaagag agttatttct ctgggtatgg 180
 gtgacccaac tctcaccact tattttccca tctcaaagt agctgaaaaa gctgttgctg 240
 aagcacttca gtcacacagg ttctgtggct atgctccac tgcaggtctt ccacaggcca 300
 ggattgcaat tgctgaatac ctgtctcgtg accttcctta ccaattatca agtgatgatg 360
 ttacatcac ttgtggatgc acacaagcca ttgatgttct agtggcgatg cttgctcgcc 420
 ccggtgcaaa catcattctt ccaaaccagg ttcccaactc tatgaactta gcgcttcatt 480
 agaggagttg aagtgaggca ttatg 505

<210> 13403
 <211> 515
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220148b09a1

<400> 13403

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aatgaaggaa atgcacgcaa atgagtcctt tgaacttctt agttggcatg cttttagaga 120

agcaaaacca aaagaagact tcaatgaact tgcaagaaat gtagttgctt attgtggagg 180

actaccacta gcacttgaag accttggttt atattttaact aataggacta caaatgagtg 240

gagaagtgca ttgtcaaaac tagaaacaac tccaatcct catgttcaag agatattaaa 300

aataagcttt gatgggttaa atgatgagaa ggaaaaagat atatttcttg atggtatgtt 360

gcttctttat tggtaaagac atagcctatg ttacggagat actaatggtt gtggactaca 420

ttcggactgt ggaataccag tctcatgga ccgtagcctc ataaagttga aagaacacaa 480

acttgaatgc atattttgta ccagaatggg agaga 515

<210> 13404

<211> 545

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220148b10a1

<400> 13404

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caacatctgg tgctgtgtta aatgggttgg gatcttcctt cttgagtgga ggaaacagga 120

gccaaaccct tctggccact gctattggag gcaaagttgg tgctgctgct gttactgtta 180

gtcctagaag actcattgtg gtagctgctg ctgcaccaa gaagtcatgg ctccctggtg 240

tcagaggtgg tggcaacctc gtcgaccag aatggcttga tggatcgcta ccaggtgact 300

atggctttga ccactaggc cttgggaagg acccagcatt cctcaaattg tacagagaag 360

ctgagctgat tcatgggaga tgggcaatgg ctgcagttct aggaatcttt gtgggccagg 420

catggagtgg agttccatgg tttgaagctg gagctgacct aaatgcaatt gtccttttct 480

ctttggtact cttctgggac ccagttgatt ctcatgggtt gggttgaaag caagagatgg 540

gtgga 545

<210> 13405

<211> 412

<212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220148c01d1
 <400> 13405

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 tcaacagagg tctcttagaa atcaaattct caccattcat gttactttct tttccctaaa 120
 catcgaaggt tctccctccc tctctgttgt ctctacccaa agaatttgta ctagtggctt 180
 ttctgtacct agaatgactc tagagtgtat gattgctttc gaaccattc atcataatct 240
 tgcacgtct gctgaagtag gaatggctcc agcttggtcca ccaaagcttg catcattata 300
 tttccaggac cctcaacagc tgaagtaggc atcatggtaa atgggtgtgt gtagatctgc 360
 aggcagagat ctttctttac agatgagaga ggcaaatgca aaaatccata at 412

<210> 13406
 <211> 546
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220148c02a1
 <400> 13406

tcttctaca ccaacaaaaa tggcaccttc tccacaagaa atcatcttcc gatccccact 60
 ccccgatatt cccatcccca cacatctccc attgtactct tactgcttcc aaaacttgtc 120
 aaagtccat gaccgtccat gctcatcga cggcgacacc ggcgagaccc tcacctacgc 180
 cgacgtcgac ctgctgtct gccgcatcg ctccggcctc cacaaaatcg gcatccgcca 240
 gggtgacgtc atcatgctcg tctacgcaa ctgccgcag ttgcacctcg ctttctcgg 300
 cgccaccac cgtggcgccg tegtaccac agccaacccc ttctacacgc tcgaggagct 360
 tgcgaagcaa gcgacgggca cgaaaaccag gctcgtcata acgcaatncg cgtacgttga 420
 gaaaataaga gtttcgcgga cagcaacagc gatgtcatgg tgatgtgcat tgatgatgat 480
 ctttcttatg aaaacgacgg cgttttgcac ttctcaacgc tcagtaacgc cgacgaaacg 540
 gagccc 546

<210> 13407

<211> 555
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220148c03a1

<400> 13407

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 taatatgcaa cgaatggatg tgtttgaagc tggcctcata tatcaataat ggatttgatc 120
 tgattctggc tcaacgttca tgacgatcac caccactac tccattccgg gaagctctgg 180
 gtatctggac atatacccag agaggaaagt ctctgccttt caaaaccctt acattatggg 240
 cttcactgct gtcgctagca ttggtggatt gctctttggc tacgacactg gtgttatatc 300
 tggagccctt ctctatatca aagatgattt tccggaggtc aggcacagta attttctcca 360
 ggaaacaatt gtcagcatgg cagtggctgg tgcaattggt ggggcagcag cangtgggtg 420
 gattaatgac gtttatggga gaaagaaggc aaccctcatt gcagatgtta tctttactct 480
 gggagcaatt gtaatggctg ctgccccaga tccttatant tctcataatg gcccggtgtt 540
 ggttgggttg ggtgt 555

<210> 13408
 <211> 399
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220148c04a1

<400> 13408

cggctcgagt tgccctaaat caccaccaca tagctcgagc cacctagaac caccacacca 60
 tcaacatgcc acccaaaaac accaccacca accaaatcac caaccactgc gccaccatc 120
 tgcctcatca gtcctgacgt cgtttacctg aagggtttc tcaatctatg ggtaaattac 180
 acaacttatg gcattctcag gattaataag agctaggaag gtgttgagca atgttctctt 240
 gttattattc ccaatatttg atattggatt attcatagca taattaaacc ctacctattc 300
 attgttgttt agttatttgt cggcatgagt tactacctag atcaagggtc tgatggatgg 360
 aagaattaaa aaaaattata ttaattgtag aattttctc 399

<210> 13409
 <211> 500
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220148c05a1

<400> 13409

caggatagaa aatttgaatg gagagtgggtg aagactattc cctgtttgag actaggaaag 60
 acaaaggaag gcacattcga aggatctatg caatctcttt gtttgtggcc atatgcttca 120
 tctgggctta cagattgagc cacatacccg catatggcaa atgggcttgg cttggtttgt 180
 ttgctgcaga actctgggtcc ggtttctatt ggctctttgg tcaagccctc cgctggaaca 240
 tgctgttcag aaaaaccttc atcaatagac tctctgaaag atatgagaat agcttgccga 300
 gagtggacat gtttgtgttc acggcagacc caatcattga gccacccatg atggtgatta 360
 atacagtgtt atctgtgatg gcttatgact atccagcaga gaagctcagt gtgtatctct 420
 cggatgatgc aggtcagac ataacttttt atgtcttttt agaggcttct acctttgcc 480
 agcattgggt gccattctgc 500

<210> 13410
 <211> 552
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220148c06a1

<400> 13410

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 attttctacc ttgctgcagt tggaacacct tccagccatg gttactgggtg ttttcaccga 120
 tgacaataac atgcagtttg aggccacaac tcagtttcgg aagttgcttt cgattgaacg 180
 tagcccacct atcgaggagg ttattcaagc tgggtgtagtt ccacgctttg ttgagttctt 240
 gatgagggaa gattttccac agctgcagtt tgaggcagct tgggctttga caaatatagc 300
 ttctggaact tctgaaaaca ccaaggtggt aattgatcat ggtgctgtcc caatttttgt 360
 aaagctcctt gggtcaccca atgatgatgt ccgtgaacag gctgtttggg cattaggaaa 420
 tgttgccgga gattcaccca atgccgtgat ctntgtctcg gtgatggagc tttgcttct 480

ctactggcac aattgaatga gcatgccaaag ctttctatgc taagaaatgc tacctggaca 540
ctatcgaatt tc 552

<210> 13411
<211> 491
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220148c07a1

<400> 13411

gcaacttttc atttgagaat cagccctgtc tgtctgtctc tctgtgttcg actcgatcga 60
tcacagctag aagatttagt agttcatatc acgctaacgg actatccaac taagaaaaaa 120
cagagccgcc gaatcacaat tttgtctgat gcttcttcag atcagattgc ttatagatcc 180
agtcgtcgat tcgtgatctg agctgcagat tggcaaataa aaaccctaac atcggtaatc 240
ggggaatttt gaaggtggct cagcccttgc gtcatgctct tgcgcgtggt tgtcagattg 300
atggtagtag tatgagagat atgcaccgga attctacggg tagtactaac actaataaga 360
tatcatcatc ggcaataagg ctgccctcac ctcaacaatc tctaagacgc tnngggattg 420
ngttcccaga tagctacggn ggagcactct tctctatcgt cttccctgaa aacgtggcna 480
gtcaagcgac t 491

<210> 13412
<211> 503
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220148c08a1

<400> 13412

ggtgtgaaga aaatattaat tgttgattgg gatgtccatc atggaaatgg tactcagaaa 60
atgttctgga atgattctcg agttttattc ttttccgttc acagggcatga gtttgggagt 120
ttttatccag ctaatgatga tggattttat accatgattg gagaaggagc aggtgctgga 180
tataatataa atgtcccctg ggagaatggg cgaatgtggtg atgcagatta ctttgcagtg 240
tgggaccaca tcttgcttcc tgttgctaaa gaatttaatc cagacataat tatagtttct 300
gctggatttg atgcagctgt tggtgaccct ctgggaggat gccgtgtcac accatttggg 360

tattctgttc tgtagagag ttgatgaatt ttgctgaagg taggattgta ctgatttttag 420
aaggaggata taaccttgat tccatcgcaa aatcaatgca tgcctgcttg gaagttttgc 480
tagaggacag cctgttattg gat 503

<210> 13413
<211> 502
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220148c09a1
<400> 13413

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gatgcaccgg aagcgcgata tctcgtacga catcgtttcg gcgggtccga acgagagctg 120
gaggtgggag tgggacagcg tgcgtttcgc aggaaaacca ccgcccgcgc caccactgtc 180
cccaaacaac gacgtcgttt tcgaggcgga aagtgtcggt cctcctctac agttaagct 240
cggaggaaca acaagagtga ataacaataa catcaatata aacgttagca acaagagagt 300
taggtcgggg tcccccgga cgngtcgta tccgatgtgc caggtggaca actgcaggga 360
ggatctgtcg aaggcgaagg actatcacgc gaggccaagg tgtgcgaggc tcatagcana 420
gcctcgaaag cgcttctcgc gaatcaaag caaagattct gcagcagtgt agtaggtttc 480
accgctctc gagttcgatg ag 502

<210> 13414
<211> 342
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220148c10a1
<400> 13414

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tgatgtaccg gatgctcaag ctatgaagac acttacatga ataacatcca aattagatct 120
gaagaggcta ggcacacaag ttcgcagtct cgaccgataa catagtgcga gatggaacca 180
atgcatgaa aaaaccagcg ccgactataa gttgaaagcg tactctcatc ctcgtaattc 240

aagacttaga tgagctcaaa taggatgcaa catgaagatt aatatgaacg ttagcatcaa 300
gagaattatg ggatttgcaa cctgaataag cgtatgtata tg 342

<210> 13415
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220148d01d1

<400> 13415

gtattataat tgggggacag gcaacaaaat tagaacgaag aggggcttag aattaaacag 60
gattcccaa aaacgacaag taaaaaaga aaaaataccc aaaaagatg gagagcaaca 120
aaaaaaaaa aaaaatgaaa aaagaaagca aaagagaacc attactcaag gaaatgagaa 180
ccacaacagc aatcgatag cggacaaaac tgaataaacc ccaatgattg tggaaaagg 240
tagaatgagg ccacaggtaa caaaacccta aaaga 275

<210> 13416
<211> 533
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220148d02a1

<400> 13416

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caacttttca tagatggaga gtggaaagtc cctcttctca acaatcggtt tccgatcatc 120
aaccgctga ctgaagacat catagggcat attccagccg ctactaagga agatgttgac 180
cttgcggtgg atgctgctaa aagagccttt tcccataaca aaggcaaaga ttggtcttca 240
gctcctggct ctgttcgtgc tcgctatctt cgagccatcg cttcaaagat aacagagaaa 300
aaggatgaac taggaaagct tgaagcaatt gattgtggaa aaccactaga tgaagcactg 360
gcagacctgg atgatgttat tnggttgttt taactactat gccgagcttg cagaaggatt 420
ggacgcaaag caaaatgctc ctgtatccct tcctatggaa accttcagag ttatgttctc 480
aagagcccat cggagtttgt gcttaattac tccatggaac tatnctctat tga 533

<210> 13417
<211> 606
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220148d03a1

<400> 13417

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cttctacggt tcggaattc agccgttgat tcgctaccac tatctatcac caccaatccc 120
tattcgtccc ttatgctgca tatccccctct catcacctcc attcactcca acgacgccgt 180
ttctccgcaa aacggaacgc ttcgcttcca gacagagcat cagcagcaca gcgaagaacc 240
gcttcccgtt ccgtcactct ctgccgctga agaaaacaaa gcaacaacga agcttcgaaa 300
gaagaaagaa gacgacgtcg tttccgataa ccgcttcaag ctccgcaacg gaagagaggt 360
ttttgaagaa aaagcgtacc tcgtaggcgt tgagcgcaag aacgatgttc aggatttcgg 420
catcgaagag tctctgagcg aattgtcgca gttagctgac actgctggat tattggttgt 480
tggtcttact taccagaagc ttacttctnc aaatcctang acgtacattg gctctggcaa 540
ggtttctgaa attaagagtg caattcatgc aatgngcgtt gaaaactgta tctctgatga 600
tgagct 606

<210> 13418
<211> 555
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220148d04a1

<400> 13418

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gagtattgag catggaggcg ccattcttca ccaaacccaa cgaccaaca aaaccttcca 120
acacttccag cacccttagt ctggaggggg ggccggggcga agcgagccca ctccgaaaaa 180
tgtttgcggt ggcgtccatc gccgccggca tacagttcgg gtgggctctg cagctgtctc 240
tcttaacccc ctacgttcag ctcttaggag tccccacgc ggcggcctcc ttcattctggc 300
tctgtggggc catctcgggg ctggtggtgc agccattgt gggctactac agcgaccact 360

caatttgttt ttaattgaga ttggtgcatg tatgctctaa tcctaggcac gtagcagcac 480
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<210> 13423
 <211> 574
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220148d09a1

<400> 13423

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 taatcatgca cattccaaca atgatcgga gacttacatt gtctatatgg gtgatcatcc 120
 taagggcatg gactccaatt ccataccttc tcttcataca tccatggctc aaaaggttct 180
 tggcagcgac ttccaacccg aagctgtact tcacagctac aaaaacttta atgcattcgt 240
 catgaagtta acagaagagg aggcaaaaag aatggcagaa atggacaacg ttatctctgt 300
 tttcccaaac aagaagaatc gtcttcacac aacaaggctc tgggacttcg tgggccttcc 360
 tcagaatgtg aaaagagcaa ccacagagag tgacataatt gtgggagtat tagacacggg 420
 agtttggcca gagtctgaga gcttcagtga caaaggattt ggtcctccac caaccaaattg 480
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 tctggaaatc actttaccaa agatgatatc atat 574

<210> 13424
 <211> 462
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220148d10a1

<400> 13424

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 tgagatgccc ggcctcatgg cctgtcggac cgagttcggc cctcccagc cttcaagggt 180
 ggcccgcac accggctccc tccacatgac catccagacc gccgttctca ttgagaccct 240

ttggtgagct tgagggtaat gcatttcttg aacctaggac tgcgcaagta gcaattgttg 360
 atcatgttaa acaagtttgt acagaggtga gacctgccac agacgaagaa cttccatctc 420
 catatatcga agaatttcga tgcaatctgg atgctgaaat acttaaatat gttgaagaaa 480
 cttatccaaa ggtttctgct ctgtctactg tgtagtggga aggatgtaga ggggcccg 540
 tgctgatttg agc 553

<210> 13427
 <211> 432
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220148e03a1

<400> 13427

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 ccgtaataat aagactaaca catgtccaac tatgctggaa ccgctaacgc cgtccttgct 120
 aacgacgtca acaacatcac aatcgttgag taccagcagc gaaccaccac caccaccacc 180
 gccgacgccg tcgccctcgc cgtcaagaaa ccgccttcca aggaccgtca cagcaaggctc 240
 gacggccgcg ggcgccgcat tcgcatgccg atcatctgcg ccgcccgcgt cttccagctc 300
 acgcgcgagc tcggccacaa gtccgacggc cagaccatcg agtggctcct ccgacaggcg 360
 gaaccctcca tcatcgacgc taccggctcc gggaccactc cggcgagctt ctccactgtc 420
 tccgaccaca ag 432

<210> 13428
 <211> 530
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220148e04a1

<400> 13428

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 tccctcatat ctaacagcag ttctgggggt ggtcaggctt ctctcagcat gctgacatat 120
 actggaggaa attcaatcgg aatcagtc tccatggag aaaggaagaa aagcagcacg 180

ttgcaccacc ccacctccaa tttcaaggac cagaactcat ttttcccaa tttaaatcct 120
 ttttcgctac ccattttggg ttttggttcg tgtaacttct acttctggaa ctaaagttga 180
 gctttttacc ttattttgggt tctttgtgtt tagctttttt ttttttttcc ttctttttca 240
 tggcgattgg gcttcttctg tggctgttac tggccaaggg tcttgccatg gaggggtgccg 300
 tgggggtcac attttcttct aggcctattc accgtttctc tgaagaggct aaggctcatt 360
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<210> 13431
 <211> 581
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220148e08a1
 <400> 13431

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 tgaactctca ccatatatat ataatgcgcc ggcggtgcgc atggagataa cctacgcattc 120
 ccctagcttc tccgacctcc gcgccatgcc gtcgacggcg accgccgcgc gtcccgtcag 180
 gatcattccc ctgcagcacc cgaccgccac gacgtcgtcg ccgcagccga acgccgcctt 240
 ctgcgctgg acggcgaagc tccggcgaat gacgtggctg gagggtgattg aattcttcct 300
 cccttgctc cgctggattc gcatctacaa ctggcgcgag tatttccagg ttcgatctca 360
 tggccggaat caccgtcggc gtcattgctg ttctcagtc gatgtcgtat gcgaaattgg 420
 ctggacttca accgatatat ggactctagt ctggnattgt gcccctatnt gtatatgcc 480
 tatttgggtc ttctcgccag cttgcagtat gtccagtggc attggttact ctctcggtct 540
 ctatgtgctg gtagcatagc tgatcatcca ctgaatatac a 581

<210> 13432
 <211> 593
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220148e09a1

<400> 13432

cacccttata aaaagaaact cattttaact cagactttgc atttcacctt atctatctat 60
 cttttctaac atggctgctg ggactggact ctttgcagag attttggatg gagatgtgta 120
 caagtactat gctgatggag aatggaagaa atctgcttct gggaaaagtg ttgccatcat 180
 caaccccact accagaaaga ctcaatacaa agttcaagct tgttcacaag aggagggttaa 240
 caaggtcatg gacttggcaa aatctgcca aaagttatgg gcaaagaccc cactatggaa 300
 acgtgctgaa cttcttcaca aggcagctgc tctccttaa gagcacaag caccaattgc 360
 agagtgcctg gtgaaagaaa tagcaaagcc agccaaagat gctgttacag aggttgtaag 420
 atctggggat ctggtttctt atactgctga agaagtgta aggattctgg gagagggaaa 480
 gttcttggtg tcggatagct ttcctggaaa tgaaaggacg aaatattgcc tcacatccaa 540
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<210> 13433

<211> 528

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220148e10a1

<400> 13433

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 ctctaatagt aatagtaata tacataagta acataaccaa tggaagcgcg tgcaggagcc 120
 aatcagcgta ttgcaagaat ctctgctcat cttcagcctc caaatttcca ggaagggagt 180
 gatgttcttc ttaagagtgc tgagtgcaga gcaaaggggtg gggcacctgg attcaaagtt 240
 gcaatttttg gggctgctgg gggaattggt caaccccttt ctttgctgat gaagatgaac 300
 ccattggttt cagttcttca tctttatgat gttgtcaaca cccctgggtg cactgctgat 360
 gttagccaca tggacactgg tgctgtggtt cgtggctttc tggggcagca acaacttgag 420
 agtgcactca ctggcatgga cttggtaatc atacctgctg gggtagcaag gaaacctgng 480
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<210> 13434

<211> 549

<212>	DNA	
<213>	Glycine max	
<223>	Clone ID: jC-gmfl02220148e10d1	
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attaaagaaa ataagatctg gaattagtagt aaaaggctga tatttttagta tctttctgag		120
attattaagc agttccactg atgtcaaadc cgttatcatc aagcaattac ggatgacacc		180
aaaaatatag agtactattc ttaagaagaa gaaaaaaatc tatgaacaaa gagaagcatt		240
acacatgggc cttatgtata agagacaaaa actagttttt cttatcacaa tttattttct		300
gatgaactct acacccttct ggatgcttcc tgctaactct ctctttggct tttccaatcc		360
aatcctttca tactcattca ggggacccag ttgataaacc tcttctgctc cagcacgacc		420
tagacgtacc ttggatgcaa agaaggggaag ctccgtaacc tgagaatcaa cgaaagcaca		480
ctccactacc ccagcttatg gttttaagcc acggaggcat gcaccatcaa acttggcagc		540
tgcatatgc		549

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<210>      13435
<211>      397
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220148f02a1

<400>      13435

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catagttcaa cacaacgtga caggcaaagg accatttgag aacctattgc agcacctctc    120
tgacccgtgg cacaacacca tcatcaatac aattcgtggc tactaagttt gtatccaatg    180
acatggataa gcctgtgtcc ttctcgtgta atcctgaatg gatgaatfff gagagtgatt    240
tgggcatgat tgttatgatc cgtctatfff catgtacaga ggaactacga tggttttaca    300
ttgttattta gactgtccat caatcagtaa tcaagcatga tacttttctaa aaaaaagatg    360
cagatgaaat ggaataagag aaacgaaaaa atgaaaa                                397

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tgtcagaaga aatgcatatg agttgggaca tgcgangaat gc

582

<210> 13438
 <211> 423
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220148f05a1

<400> 13438

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 agacaggacc cgcaaggaag acaggaccgg tcgtcacact cgcataagaa agaaggtcga 180
 agggacgccc gagaggccga ggctgtgctg gttccggtcg aacaagcatc tctgatgagc 240
 aagcgattga tgacaccgca atgcgcacgc ttgctatcgt gacgacaatg caaaagacgg 300
 gtgctgacga gtgtaactac tccggtggcc ctacagtaga agccgcaaag aggatgggcg 360
 agatcattgc ataatcctgt ttgcagaaag ggatcacaca cgtatgcttt gatcgaagtg 420
 gat 423

<210> 13439
 <211> 598
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220148f06a1

<400> 13439

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 cactaccgtg acaccatgaa tattaattca cttgcccgga aagccctggg caatgcagat 120
 ggtattatag agaaaacatt cttgtggggg aggtactcta tggaaatgtc cgctgtcatt 180
 tacaaggact gggttttcac tgatcaagca ttacctaata atcttgtaaa gagaggagtt 240
 gctgttaagg acccatctgc tccccatgga gttcgtcttt tgattgagga ctatccttat 300
 gcttctgatg ggctagagat atgggatgcc atcaagtcct gggtgcaaga atatgtctca 360
 ttctactaca agtcagatga ggaactccaa aaagaccctg aactccaagc ttggtggaaa 420

gaacttgtag aggtgggtca tgggtgatttg aaagatagcc atggtggcaa agatgcaact 480
 cgtgaaagtt ggttgaagct tccgtatcct caatggattg ttcagccttc atgctgctgt 540
 aaacttgaca gtatccatat gaggttaatc ctaacangcc actatagcag agatcatg 598

<210> 13440
 <211> 446
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220148f07a1

<400> 13440

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 gcgcacaagc gaatcaatta cgccacgcca aagccacaat ttcacctatc caattatgca 120
 cgacatgtaa caaaacgaca acaccacttt cgtcgttcgc cgtattcgat ttcagagttc 180
 cgtggcgctcc ggccatggcc ctgcgaaacg gcggcagaaa aatctacttc gaggtcctta 240
 gcgtcgagga cgaatctgat ccaacggaac gcaaccgcaa gaagcgcagg caccgcgctt 300
 cgaagaagaa gaagaagctt ctcgatcggg ccgattccga ttccgcggat ccgcgttcgg 360
 cgccggttga gaatggagga gcctgtaacg gattctagct cgacgctagc aggtactgcg 420
 gcggcgggcg cggtatgagga tgaagc 446

<210> 13441
 <211> 528
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220148f08a1

<400> 13441

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 gacctacata attcacatgg acgagaccac catgcactga accttcaccg accacctcaa 180
 ctggttcgac gcctacctca aatcagcgta cccctccgcg gagattctct acacttacia 240
 acacgtggcc catggcttct ccgccagact cactcccaag gacgtagaca cacttgcaaa 300
 acaaccggc atcctctccg tcatccccga actcaaatac aaactgcaca ccacaagaac 360

tcccaacttc cttggacttg acaaagccac caccttgtag ccgaagctag cctcttcggc 420
 ttggcgctcg gtacggcgcg tggaatggcc acacaagcgc gtgtggcgga ttacaaagt 480
 tgctggcttg gcgggtgttt tacttacgac atagccgcgg gaatcgac 528

<210> 13442
 <211> 554
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220148f09a1

<400> 13442
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 ctcacccaaa ccgcaactatc gttcttcgac acggtcctgt ttattaagcg gtttgataa 120
 aagaatagaa gcgtaaaatg gccttcgtag cacatcaacc tcagggtttg tttgtgacat 180
 cttcctcgag gcgtttgcca tggagcaaaa ggctgaagtt gaagcagtgt ttaacaaaac 240
 atcacatgat tggaagaact gaccggcatt gcctagtaaa gtggaatgct tgtttaagtt 300
 tagggcctcc ttgcttttgt gtatccaagt tcaaaccctt aaggatttca ggcttcaaag 360
 gcagcaccca aaatgatgat tcaggaatca gagctaactg gttgaaggca cccaatactt 420
 ctgttagatt aggagagagc gnngaggctc acaatgttcc actgtcttat gcactgaaa 480
 caaatgatag cattgcaaca tcactgcta ttcatagact tttcaataaa tggctgacaa 540
 tgttgcgcac gcaa 554

<210> 13443
 <211> 535
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220148f10a1

<400> 13443
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 ctctcattcg ggaagcaatc gaagcctcaa acccctcttg aagccatcca caatgcgaca 120
 cgtcgttcca attccaatcc caaaacagcc aacgaccttc cttctgtctc ctctcttcc 180
 agggattggc tcaattccct ccgccctccc aaaacccta ctctctctcc tccgtgccg 240

ccgccagatc acgacgacgg cccaatggtg ggaccgccgt cgctccgcc cacagctgcc 300
gacgaagaag aagacgacga cgacgccgag atgattggcc cgccccgcc tccgccgttc 360
gcgtcggagt ccgaagacga ttcggatcaa gatgaggtag gaaccgcgtt cccgattccc 420
ctcagcaacg agattgtact caagggccac accagggttg gtcagctctt gctgtggacc 480
acacgggatc aagagtgctt tctggaagct atgactatat ggtacgaatg tatga 535

<210> 13444
<211> 471
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220148f10d1
<400> 13444

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tacatgacta atttacagac atgaggtact aaaacattag aggtgttaca atttcaacag 120
catcattgcc ttaaccgaaa ctttttccag cctctcgaa aataaagtac agttcactct 180
tgctaccgt ccccttggtt gccatctttg tgatacaata acttggtaac ccgatcattt 240
ctctcatcc tcagaatctg actttgcaaa aactggctca ggttgggttt ctgcatatgc 300
tgagcaatg aactttggat cctttgctgc agcatcagca tatttcagga tagcttcctt 360
tgatcttac tccatccatg tctccttgat cataccacct ttctttaaaa gatactgggt 420
cagtaagctt ccttgactag taccaactcg tccaccaaag ccaggacctg t 471

<210> 13445
<211> 607
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220148g02a1
<400> 13445

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accacatact tgccgctggt ctaaattgat acatggcaac tgtaactaac ctgaagaatc 120
ctgtaaacia gtggcgatgt ggggctgctc caatagcatc tatgatgact gtgaagcgct 180

ggtctccaaa tccaggagcc acatcaattg gaaaaccagc tattcatcca gctactgtgg 240
 acttgagagg caaagcatat gagctgttga gacaaaaggc acaaagcttt cttatggatg 300
 atatctacag aaatccaggt ccacttcagt ttgatggtcc tgggtgcgggt gcgaagggtta 360
 taactctttc tgttgaagac caggactaca tgggccgcat taagaaactt caggagtacc 420
 ttgaacaggt tcgaaccatt gtgaagccag gatgcccnca ggaggttttg aaagctgctc 480
 taagtgtcat ggcgtcggtt actgaagttc tagctgcaat gtcaacatct tctactaaca 540
 ccctgtcagc catgtgagag taacanatgg atnngtgatc tttccaaaat tttctggcac 600
 gagggtt 607

<210> 13446
 <211> 574
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220148g03a1
 <400> 13446

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 tcaatattga caaatgggtga aattgacggc tttagtgttg gacaactctt acttttcta 120
 gcggagtcac attctggatc cctttatggc catgcttctg aacgccatgg aacgtacgtg 180
 tgggtgtgatg gttgcgtata cgagggtgaa tggaggatag ggatgataaa tgcttatgga 240
 aaactaagat ggccttcagg agcagcgtct gaagggtgatt tctctgggtg atatatccat 300
 ggtacgggca catacattcg ttctgataaa ttgacatctt aaggtagatg tgacgttgaa 360
 gtcttaaaca tggttgatca gtttcaagtt tatgctaata gagatacctc tgaatgggtc 420
 tggatgcaag gaacacaata ggggcctgtc aagtatacct ggaccaatgg taatgtgtat 480
 gtanggaata tgaaaggcgg gataatgtca tgcataaggaa ctcttacttg gataaatgg 540
 gactcatacg atggaaactg gttaaaatgg atga 574

<210> 13447
 <211> 431
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220148g04a1

<400> 13447

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ctcgagccga ttcggctcga gggcataacc taaacttacc cttcttctct ctgggtgcgt   60
gcgcattata cgcattcata agcagctatg gccactgtaa gaactgtgat gacgttctcc  120
tcatgagttc atcaaagctt actcttatga cctgaagcga tctgacgaga tggagctgtg  180
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ctggtactat ctaagagatg cttgcatggc aggaaagatc tactcgagag gatgacttgg  300
tgtctgagcc tattagagga ttgatgggtg aagcaagatg aatggctgtc gccctgctga  360
tttctgcaag agcagcgggtg ctgatgatag tcacagtctt aatcattgca gaacatgagc  420
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<210> 13448

<211> 423

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220148g05a1

<400> 13448

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cgtgttggtt acatgatcga acgcccgtac ctgactgtg cgaaccgggc attctagcat  120
cggacgcgct acacactgga ctgatgacct ggatcgctcg gtcacgtatg actgcagcga  180
gtagactggg tccgatctgt atggatggga gtcctgtgct tcagcagcgc tgcctgaaa  240
tggcgagctg gcgagacaat gttctacgct gcgtgagggt ttgctgcgtc tggcggagga  300
agcacagcgt aaagctcggc acaatgatcg aggagagtgc tgataagcga agtgctggtt  360
cgatacaaag actgctagga atcgctgagg aaggacctct aggccgaagc agtgtaagct  420
ctt                                                                423
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<210> 13449

<211> 425

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220148g06a1

<400> 13449
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cggccatcca ggccttcaa ttctcccttc tggactacaa attctggtgc tctggttgg 120
aacaacaact cctctttaac cggtggagct agaggtccaa ttctgcttga ggattatcat 180
cttgtggaga agcttgcaaa ctttgacagg gaacgtatcc cagaacgtgt tgtccatgcc 240
aggggagcta gtgcaaaggg tctctttgag gtcacacatg acatttctca cctgacatgt 300
gcagatttgc ttcgagcccc tggagttcag acgcctgtaa ttgctcgttg ctcaactgtc 360
attcatgagc gtggtagccc tgagaccttg atggaccctt gacgtttcgc cgagaagttt 420
tacac 425

<210> 13450
<211> 497
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220148g07a1

<400> 13450
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cttgactttg gttttgcaca acagggggat cttgacatat caagatttgg aggaaaacca 120
aatacaaata taggccaggc tatcttaagt gcctggactc aagcatgtgc atcaccaact 180
gctgtcaaaa ttgtgattcc agctggcaca taccaaagg gtgcagttga tgtcaaagg 240
acttgcaagg ctcttattga ggttcaagtt gatggaacaa ttcaagcacc tgcaaacc 300
actgacctta aggcggctca tcaatggttt gatgttcaat atgttaactc tttcacctg 360
tcggcaaagg tgtttttgat ggtcaagggg caactgcttg gaaacaaaat gattgtacaa 420
cagacaagga ctggcagatg ctttgcata attttggtta taatttcctc actaattcaa 480
ttgtccgtga cattact 497

<210> 13451
<211> 538
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220148g08a1

<400> 13451

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 ctctacgccg acgtgactcc gagcaccgcc gagaacttcc gcgcgctctg caccggcgag 180
 aagggcgccg ggcgagcgcg caagcccctc cactacaaag gctcgtcctt ccaccgcgtg 240
 atcccgaact tcatgtgcca gggcgggcgac ttcaccgccg gaaacggcac cggaggcgag 300
 tcgatctacg gcgccaagtt cgccgacgag aacttcgtga agaagcacac tgggtccggc 360
 atcctctcca tggcgaacgc cgggtccgga accaacggat ctcaagttctt catctgcacg 420
 acgaagacgg agtggctcga cggaagcacg tcgtgttcgg acaggctcgtc gagggatgga 480
 cgtcgtcagg agatgagagg tcggatccag ctccgcagga ccgtcaagct gcgtcgtc 538

<210> 13452

<211> 533

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220148g09a1

<400> 13452

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 gatcaagagg atagagaaca acaccaaccg tcaggctact gactctaac gacggaatgg 180
 ctttttcaag aaggccaacg agcttaccgt tctctgcgat gccaaagttt ctattattat 240
 gttctccagc actggaaaac tccaccagta catcagcccc tccacctcaa caaagcagtt 300
 cttcgatcaa taccagatga ctctgggagt tcgatctctg gaactctcat tacgagaata 360
 tgcaagagaa cttgacgaaa ctgaaagagg tgaataggaa tcttcgtaag gagattaggc 420
 agagaatggg agattgtctg aacgagctgg gcatggaagg atctcaagct cttgacgaa 480
 gaaatgggac aggccgacag tgggtgctcgt gagcgtaagg tgtgattaat ata 533

<210> 13453

<211> 541

<212> DNA

<213> Glycine max

<210> 13455
 <211> 608
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220148h04a1

<400> 13455

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ggcttcctta tgctgcttag tgctgttctt tgcagctata attctatccc ctcaagctgt   60
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gccccagtt gagaagcctc ctgttttaca accttcagtt gagaaccccc caattgataa  180
gcctacagtc gagaagccac caatgtccaa gcaccagct gagaagcccc cattgtacat  240
gccccagtt gagaaaccac cagtgtacat gccccagct gagaaaccac cagtgtgcat  300
gccccagtg tgcaaaaccg tcagtttaca agccccacat tgaaaaacct ccagtgttca  360
agtccccagt agaaaaacca cgagtgtaca agccctcagt tgacatgccc ccaggttaca  420
agccctcagt tgagaagtga ccagcttgca tgccgccagt tgagcatcca ccagtatgca  480
agccaccagt tgagaagcct gcagtgtaca agcctgcagc tgagaagcct ccagattaca  540
agccaccagt agagaaacct ccaggttaca agccccagct gataaaccta ctattacaag  600
ccacctgt                                         608
  
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<210> 13456
 <211> 541
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220148h05a1

<400> 13456

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gaggggcttg agaatgtttt gttgtcaaag ccactacttg aggctttatt gcattttgag  180
gctattcaac ctttgccaaa gcgtgttggt gtcgactttt tggagtcatg ggttgtcaaa  240
ttcataatgc ctaactcaga gagtgctggt gtagcaagtc caacagagcg tgaggaactt  300
tctagtattc ttctggagtt tttaaatctc tttggtgatg ttcaatctat caagagagct  360
  
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gaagataggc atgccaaatt gtttttgcct cacagaagca tgtcagagtt gaaaaaacgt 420
 catgctgagg atgtcttagt ttcggacaaa acaaacgtgc ctagatcgta ttctgctcag 480
 tcacctgcgc aatctgcgat ggggtgcatat ccaaatgcgc agaaccagtg gactaattat 540
 g 541

<210> 13457
 <211> 394
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220148h06a1

<400> 13457

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 gaggggctag aaaatgatat ggcgtcaaag ccactactac taaggaatat ggcgacctta 180
 cgctgtaagc tcgttgacaa accttgctcc agaacacttg ctggaatcat gcgtcggcta 240
 ctggatatgg cctagctcac tatgtgctag cgatgcatgt acagctgacc gagaggaacg 300
 atgaactatg aaagctggaa gcaatagatt gtgggatgca cgctcatgaa tcaactgagag 360
 acctggatga gcttgtcgga tgggtttaact acta 394

<210> 13458
 <211> 338
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220148h07a1

<400> 13458

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 tttgggtggt catctatgcc cgtgatcata gtactactaa tcaactgctgt tggcttgctt 180
 cttgcactgg acaacgtaaa tttgttgga acagatgcag ggatacaagt gaatcatctg 240
 gtgcatcatg cgatcaatcc tgcactgggtg ggtggcaatc tggccgacac gattactttt 300
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<211> 236
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 <213> Glycine max

<223> Clone ID: 700863080H1

<400> 13461

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 ggctgtgaag aaactgtgcc aatatccgca ggaaatgatt tgtccacaaa gtgttcttgg 180
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 <213> Glycine max

<223> Clone ID: 700863082H1

<400> 13462

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 cttctctacg tgaagctcct tgttttgcac aggagctagt tgaaatgtcc gagggaaatg 120
 cagggaaagg aaagaaaatc gcatcattgg tgtctcaacc ttattgttgg tggctatggt 180
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 c 241

<210> 13463
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700863083H1

<400> 13463

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 taacatactt aaagagagag aagagagaga gagagagggg aggggttgcaa attccatgag 180
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<210> 13464
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<212> DNA
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<223> Clone ID: 700863084H1

<400> 13464

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cgatattccc atccccacac atctccatt gtactcttac tgcttccaaa acttgtcaaa 120
gttccatgac cgtccatgct catcgacggc gacaccggcg agaccctcac ctacgccgac 180
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<210> 13465
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<212> DNA
<213> Glycine max

<223> Clone ID: 700863085H1

<400> 13465

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agagcagctg ttcattatgt tgctacagaa tcaaagcatt ttgtgttgat aaattcagta 180
aagtgtgga atggactcaa ccactatcca ccattccatg cactgtcaga gatggc 236

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<212> DNA
<213> Glycine max

<223> Clone ID: 700863086H1

<400> 13466

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tccgagcttg ttagatccac gacaagggtt cgtttccag attcttttgt aaaaaaaat 120
tcttcctctg cccaacagga agttgtaaaa aaatggacca tgacaagact gggtgccaag 180
ctcctcctga aggtcctata ttgtgcatca acaactgtgg gttttttgga agtgca 236

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 <223> Clone ID: 700863087H1

 <400> 13467

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 acatggcgcc atcgtctggac tgagacaaga cgtagtggtg atggagggtgc cgaagctggg 180
 aaaacaagcc gcaacgaaag cgattaagga gtgggggtcaa ccaaagtcaa agatcacaca 240

<210> 13468
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 <213> Glycine max

 <223> Clone ID: 700863088H1

 <400> 13468

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 caggcttcat ctttgtttct tcacgtaaga acattgctct ccggttttgt aacttaaaat 180
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<210> 13469
 <211> 242
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700863091H1

 <400> 13469

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 actttatgct taatcacagc acaatattaa tgatggagaa aagtcatggt ttggtgagt 180
 gtttagccaa acactactaa caccgttgga ttatgatctt gaggatatta agcaattgat 240

ta

242

<210> 13470
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700863093H1

<400> 13470

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aggtgcgcgg ttgatacaat caatctgttt gtctcaagga agttggtgtt tcaagtcctt 180
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<223> Clone ID: 700863094H1

<400> 13471

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cccccttggg gtttttagtat tttttaaggg ccatgaatta ataatagtcc ttacctttgt 180
gcttttgtac gtcttatgat ttatcctttg tggggatata atgtgttgtg ttca 234

<210> 13472
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<212> DNA
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<223> Clone ID: 700863095H1

<400> 13472

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acccttcata ccaatcttcc tttctgtttc cttttcctac cttccttcta tatacacttc 180

atctccacct cttcttcaca ctactagat tttttcacct ccaagtcttt ctgttcacta 240
t 241

<210> 13473
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<212> DNA
<213> Glycine max

<223> Clone ID: 700863079H1

<400> 13473

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ctccgatgat gctcgccatg ggtcgaccgg atgctagact acaatgtgcc tggaggaaag 180
ttgaaccggg gactgtcagt cattgacagc tacagattgt tgaaagaagg acaggcatta 240

<210> 13474
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<212> DNA
<213> Glycine max

<223> Clone ID: 700863041H1

<400> 13474

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atgttggtggc ggcggtgagc ttccgcggcg ggtgccgtac gggttccatg ggctgtttgt 180
gaaggagagt gagctgagga aagtgtcggt gtcgtgaagc tgagacatga tggttcg 237

<210> 13475
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<212> DNA
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<223> Clone ID: 700863042H1

<400> 13475

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tcaagattcc tgtatacgaa cattttcaac gaaacttgat ttcgtctggt ggcaatgaat 180
 cgtattatgg gtattttaac aggagatcat acacttcact ttatatggga actggaactg 240
 t 241

<210> 13476
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 <213> Glycine max
 <223> Clone ID: 700863044H1
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 acaacgtcaa ggccaagatc cagacaagga aggaatcccc ccggaccagc aacgtctcat 180
 tttcgccgga aagcaacttg aggacggccg tacccttgct gactacaaca ttcagaagga 240
 ga 242

<210> 13477
 <211> 242
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 <213> Glycine max
 <223> Clone ID: 700863045H1
 <400> 13477

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 gagatgaagg atggagctcc tcaagttgtg atgaatcata atggtaacca cggcaaattc 120
 tcacacctac ttgcttccca aatcgtgact atcttctctc tccaactggg gctcaggtga 180
 aagtttctga tcttgaaggg aaagtagtgg gtctattatt cgctgcgaat tggtaaccac 240
 ct 242

<210> 13478
 <211> 239
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 <213> Glycine max
 <223> Clone ID: 700863046H1

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 gtcttgttcc atcttcaaga taaagaacaa atccaccagg tcctaaaccc ctcccaatta 180
 ttggtaacct tcacatgctg gggaaactcc cacatcgttc ccttcaagcc cttgccaaa 239

<210> 13479
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<223> Clone ID: 700863048H1

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 cttccactat tagaagctca ccctttaaca gatgaaagag aacaagacca aagtttccca 180
 cgaaggtttt ggcttgagtc aaagaggctt tggcacatag taggcccttc aattttcagc 240
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<210> 13480
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<223> Clone ID: 700863049H1

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 tctgttcacc tcttcgtccg cttccagatc ggagaaaatt gtgggtcaga caacaaatgc 180
 gacgctggac tcagctgcca aacatgtcct gccaatggaa atacccgacc aagctgttcg 240
 cggaca 246

<210> 13481
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 <212> DNA

<213> Glycine max

<223> Clone ID: 700863050H1

<400> 13481

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 caaaacagag aacaagaaga agagaaagag agagagtga aacgggaaaa gcaaaaagtt 180
 gtttctgtga ttgattctct gcaaccgaat catcatcagc cacttcttcc cgtttcatct 240
 ctcc 244

<210> 13482

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700863053H1

<400> 13482

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 gcaccacaa cgcagaaaac gggtcgtatg caacccccaa atgaagtga agaaacatac 180
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<210> 13483

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700863057H1

<400> 13483

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 ctctctgcct tcaacactga gatggatttc atctgtttgg aattgcaaag gtcaggaatg 180
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<210> 13484
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<223> Clone ID: 700863058H1

<400> 13484

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 aattaacttc agaatccagg tcatcctctg aagctagtgt agattgaagg atcacacatt 180
 gtccagaaca cgtacgacac gcttgatgtg catgttgggc aatcagctgc tgtgttgg 238

<210> 13485
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 <212> DNA
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<223> Clone ID: 700863059H1

<400> 13485

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 agggtaggaa agaaaaaaaa gttgaaaatg agttcagaca gccgcagcag gagcagaagc 240
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<223> Clone ID: 700863060H1

<400> 13486

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 tgcttcgatc aggctcagat acacagttgt tgggtgcttta aatgctcttt tgggtgttga 180

aaatgatgac ggaactagtg cagaagctat ggctgaaagt ggtgctatag aggctctctt 240

gg 242

<210> 13487
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<212> DNA
<213> Glycine max

<223> Clone ID: 700863061H1

<400> 13487

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gagcaaaggg tgggtgtggtg ggcttcttgt ggttgggtgtt ggggtgcgca ggataatcgg 180

caaagtaagg tgaaggttag ggagagaaaag aatcaaatca aacaaacaac cccattttaa 240

a 241

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<211> 195
<212> DNA
<213> Glycine max

<223> Clone ID: 700863063H1

<400> 13488

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tgcccctggg tccgaaaatg ggaccctga ggcaggagat aagcctgtgc aaatggatac 180

tgataccaag gttga 195

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<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700863064H1

<400> 13489

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 a 241

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 <400> 13490

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 gttctgcttt gcctctgcac tgccctttca gtatcggagt ccaaactctgc ttctgtgcaa 180
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<210> 13491
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 <213> Glycine max
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 gg 242

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 <212> DNA
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<223> Clone ID: 700863069H1

<400> 13492

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<210> 13493

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700863070H1

<400> 13493

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gtttgactga gggaataaag gggacaagac atcagaagat gatgaaatta acaagctctt 180
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<210> 13494

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700863071H1

<400> 13494

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agcttctccg cgcttccgat acgccgatga tgatgcgata ttctatgatt cgttcgacga 180
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<210> 13495

<211> 238

<212> DNA

<213> Glycine max

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agtcgatgag	cacgccagcc	tttcaggggg	cacgggcctc	ttctctgggt	tcactcgggt	180
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<223> Clone ID: 700863074H1

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atgacgcatt	tgtccctgtg	ttggcaagcc	agtcgattca	tcttggaata	cattaacaca	180
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<223> Clone ID: 700863075H1

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6204

<213> Glycine max

<223> Clone ID: 700863076H1

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<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700863077H1

<400> 13499

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<210> 13500

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700863039H1

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gatatatact aaatgagcag ctggaactgt ctccacagca ccttaatggc aatacttttg 120
ctgataaatt aaggttttca attcaacctc cagggaggag ccatcttcag gaagcatttt 180
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<210> 13501

<211> 251
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 <213> Glycine max

 <223> Clone ID: 700863001H1

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 cattcaacag aagccttttt ccttccattt tctcttttga attggttctt ctgcttacca 180
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<210> 13502
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 <223> Clone ID: 700863004H1

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 ggggcagtgg agcccagaga agaggaagtg ctacaacctt cttgatgctg tcagcaggca 240
 caccatccag gt 252

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 <223> Clone ID: 700863005H1

 <400> 13503

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226

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<223> Clone ID: 700863006H1

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ttcacgagtt tatagaaatt tattttcatg ctttactcag ttaaaaagca agtgccacta 180

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<223> Clone ID: 700863007H1

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tagtcctgac atgttcagca ataacaatgt ggctaaggat gtgctccttc ccggggaaca 180

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196

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gagtgaaggg gcagtgtcaa ccacttgag gcctatgagg ccaaatgggt gctaagaaac 180

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tcggcgagtg gtgcggatga tttggcaacc aagtgttcag cggatgattca gaaggaata 180

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attctccctg catcacatac acagtcattc tctctctct tttgacctaa atcatcttct 180
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cgtg 244

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<212> DNA
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<223> Clone ID: 700863016H1
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 ccacctactc ttgcgtcggt gtgtgcaaca tgaccgcgtt gaaatcatcg ccaacgacca 180
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<223> Clone ID: 700863019H1

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 caaatagtct gtgcagattt tgggtggcaag aagcgttcac tccctggtaa tggtttctgc 180
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 acaa 244

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<223> Clone ID: 700863022H1

<400> 13515

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 cattaccagt gttaaggggtg tcacggaacc ggcattaaca tcattggagg agtcgtcgac 180
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 gg 242

<210> 13516

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700863023H1

<400> 13516

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 gcagctattg cagctgctac tgagcagctg caactgcatg gtgggcagct catggattgc 180
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<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700863025H1

<400> 13517

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 ccaaggtctt cttcgagagc gtttcgatga cggatgggga aatcgttggg ttaaatacaga 180
 ttggaaaaaa gatgagaacc tggctgggga gtggaaccac acctctggcc aatgga 236

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<211> 246
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<223> Clone ID: 700863027H1

<400> 13518

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<223> Clone ID: 700863029H1

<400> 13519

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 tcacccctct caacaacaac ataaagagac tgagggtccc aaaaatgaag gccaaagtaaa 180
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<223> Clone ID: 700863030H1

<400> 13520

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tttgtacgg 249

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<212> DNA
<213> Glycine max
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aggtggttta gggtttactt tgaggccttg gacgagagtt ttccgcggac gagcaacgag 180
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gcg 243

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<211> 239
<212> DNA
<213> Glycine max
<223> Clone ID: 700863036H1

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aaccctaagc cgggaactat cgtcacgctg tcacccaaaa agggcccttg tggatcatct 180
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<210> 13526
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<212> DNA
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gcacgtgcct ttggggggcc gagggcccct actgctggtc ggcaaacgga cggcggcgca 120

cgcgtcgctt ctagccccga ttctgactta gaggcgttca gtcataatcc aacgcacggt 180

agcttcgcgc cactggcttt tcaaccaagc gcgat 215

<210> 13527

<211> 317

<212> DNA

<213> Glycine max

<223> Clone ID: 700862996H1

<400> 13527

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agaagatgcc gatcagaaac atcgccgtcg gaaggcctga agaggcgact caccgccaca 120

cgttgaaggc ggctttggct gagttcatct caaccttcat ctctgtgttc gccggctcag 180

gctccggcat cgcctacaac aagctcaccg acaacggcgc tgccaccct gccggcctca 240

tctccgcctc catcgcccat gcattcgccc tcttcgtcgc cgtctccgtc ggcgccaaca 300

tctccggcgg ccacgtc 317

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<212> DNA

<213> Glycine max

<223> Clone ID: 700862956H1

<400> 13528

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caaagcctta gcaaaggcat ggtagcctca agcatccttg atcccggagg tttttgggtg 120

acgagctact ttcattggtgc ctctgcggc cgtttatoga cagacttccg gcctcctccg 180

ccacatttgt atgtcttgaa tcagcagaag cctttggcct tgatgccaat aacttgaggt 240

acatcactga tcaattccgg tacaaatttg catatgagag gctgaaaaga acagcaagat 300

attactcatc caattggaga acttgggctg ctgt 334

<210> 13529
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700862958H1

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 ggcattttgg gcatcgcttg gtgcttcggt ggcattgatct tcctccttgt atactgcacc 240
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<210> 13530
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700862959H1

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<210> 13531
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 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
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 <400> 13531

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 ccttttgtgc ttctccagca atagctttca ttctgaaaa tgtcttacia gatgccatag 240
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 aagattataa caggttcaag agaa 324

<210> 13532
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700862962H1
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 aaatcaaata agaggtctaa tgcagggtct gatgaggagg aggaagcccg ggacccta 240
 gctgttcaa cagatttcac cagccgagaa gctaagggtt gggaggctaa gtcaaaggct 300
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<210> 13533
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 <213> Glycine max
 <223> Clone ID: 700862963H1
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 <213> Glycine max

<223> unsure at all n locations
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<400> 13534

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 ggctgtatta caaggtttga gganaagaat ccagcaatat gggaatctag atacttatgt 240
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 tatagacaat ataagcttat ggggtgtg 327

<210> 13535
 <211> 214
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700862972H1

<400> 13535

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 aaaaagacaa cattattacc tcgtacgctg tcatctttga cggtggtagc acaggaaccc 180
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<210> 13536
 <211> 167
 <212> DNA
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<223> Clone ID: 700862973H1

<400> 13536

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taggcaagt taggagtgtc cgtgtagtt gtgaactagt actaaga 167

<210> 13537
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<223> unsure at all n locations
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<400> 13537

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<210> 13538
<211> 325
<212> DNA
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<223> unsure at all n locations
<223> Clone ID: 700862978H1

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ggcgaccttg atgccgatgc ggtactcagc gacgtcgagg acgacggcgg cgatccgatt 240
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ctcgccgaac tcgataggga gcggt 325

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<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700862979H1

<400> 13539

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 tgctaacttc agatgtanag tacttagtat ctgataattc gagagcanag gtgtggagtg 240
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<210> 13540

<211> 134

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700862981H1

<400> 13540

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<211> 333

<212> DNA

<213> Glycine max

<223> Clone ID: 700862984H1

<400> 13541

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 cccagaggaa gtgggtttcaa tggttgagat gagcatccaa aacagcacag agaggaggaa 180
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<211> 171
<212> DNA
<213> Glycine max

<223> Clone ID: 700862985H1

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<223> Clone ID: 700862988H1

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<212> DNA
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<223> Clone ID: 700862991H1

<400> 13544

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<210> 13551
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 caacaatggc agtcattgca ctgaaatgcc cctcaattga agtggctgtt gttgacatct 180
 ctaaattccag gattgcagca tggaacagtg accagctccc tatctatgag ccaggccttg 240
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<210> 13552

<211> 333
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700862929H1

<400> 13552

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 aggcataggg catgccattg ttgaagagtt agctgagttt ggagcaactg ttcatatatg 180
 tgcacgtaat caagatgata ttgataaatg tttagaagag tggaaaaaca agggacttaa 240
 tgtgactggt tcagtatgtg atttactatg ttctgaccaa cgtaaaagat taatggaaat 300
 tggtggctcc atctttcatg gaaagctcaa tat 333

<210> 13553
 <211> 334
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700862930H1

<400> 13553

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 aaaaagacat ctatgataat caatctagaa ctgcttttaa gactatgtgg caaggcatgg 180
 atggactaag aggtccaggt ctttcaggca gcggcaatta cttaagtaga agtgctttac 240
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<210> 13554
 <211> 309
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700862931H1

<400> 13554

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 atgctgatgg gggctctttt cacttgtggg gatcactgag gtgggtgatgc tgtgagaagt 180
 atatgatttg gtctttatct cgtgtgtttg tggagtttgc tatttgaaga gagaggttta 240
 tgaatttgac aagtggtaga ttttgttctt tttgtggtaa agatatgttc ttgggtggac 300
 gggggaatt 309

<210> 13555
 <211> 334
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 700862932H1
 <400> 13555

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 gccagattct gatgaggacc cggatgatga tttagatata tgaatatact cttgttggtta 180
 acttttgtat ccctaggtga catgaaagga tagattaggt ttatgactga acaaaatggg 240
 aaaaaataa tctgatactg ttttaattgct tagaagtga atgcagtgtg catcacattc 300
 canaatattg tacaacctac tgaggaacct gact 334

<210> 13556
 <211> 271
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700862933H1
 <400> 13556

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 cactacaatt ctggaggggct ccgattaaat cctaactctgt acgagtcagg aaaaatttgt 180
 ctgagtctcc tgaacacttg gacaggcaca ggtactgaag tgtggaccct ggagcctcca 240
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<400>	13557
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<210>	13558
<211>	344
<212>	DNA
<213>	Glycine max

<400>	13558
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<210>	13559
<211>	176
<212>	DNA
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<400>	13559
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6227

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<210> 13560
 <211> 124
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700862938H1

<400> 13560

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 cacc 124

<210> 13561
 <211> 334
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700862941H1

<400> 13561

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 tgggaagggt gagcatgagg aagaccgtca ccaagcaggt ctctcagga agcccatggt 180
 acggcccaga ccgagtcaag tacttggggc cattctctgg cgagcccccg tcctacctaa 240
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<210> 13562
 <211> 186
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700862942H1

<400> 13562

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 ctgtggcaaa ccccccaaaa agcacaagcc tggcanaaca ccaaagacac ccacagtacc 180
 cgttgt 186

<210> 13563
 <211> 328
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700862943H1

<400> 13563
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 tctccaaga gaagggccat tttgttacag tgtcggacac ttgcaaatgg atttagaaga 180
 caagttctc gctaaagga gggttctggg ttctagtga ggtcctctag ctactgctga 240
 ttgatgcata catgataaat agtttctggt gttcaaagcc tttcatccag tgcacaaagt 300
 actccagata aaaatggcca ttcagatg 328

<210> 13564
 <211> 328
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 700862944H1

<400> 13564
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 accggagttg atgattcaca atcatttcat gcaaggggtg gaggacttca cattgtagga 180
 aaacgcctct cagattatgc caaatcttgt ggagttccat ttgaggtcca cagtgtgct 240
 atgtgtggaa gtgagcttga acntagaaac cttgtaattc aaccgggga agctctagtt 300
 gtgaacttcc ctttntgttt gcaccaca 328

<210> 13565
 <211> 325
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700862945H1

 <400> 13565

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 tggatttcag atgggtgcct tcagtgttga atgtgatgct gtggatccag ctgatgtgga 180
 tgctatagca aagactgtca aaagggccct tgcagtctat ggaactccag cttttacaga 240
 aataataaag aactgcatgg ctcaagatct ttcttgaag gggcctgcta agaagtggga 300
 ggaagtgctg ctaagcctgg gagtt 325

<210> 13566
 <211> 329
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: 700862946H1

 <400> 13566

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 gtttgaactc atgttgacca ttgtgggtaa tccaagactg ggaaagggtg ttgtggctaa 180
 tatcagagaa ttggtgtact atactattgc ttttcttcaa atgactgagc agcaggttca 240
 tacatggtct gtggatgcta accagttcat tgctgatgaa gaagatgcca cttatagtgtg 300
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<210> 13567
 <211> 332
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700862948H1

 <400> 13567

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 ttttgtaaac aataacatta acatctccaa ccttggcagc acaaagcaag ccgcaggatc 180
 tgggtccggtc ctctgtcgtg caccgcgggt acccgctct gtgcctgcac accctctcca 240
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 tagcgcacac acgcccggcc tccaagttcc tg 332

<210> 13568
 <211> 341
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 700862950H1
 <400> 13568

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 cctgttgag ctaaaaaggt cacatgctcc cttcaggctg atcttaagga cttggctcac 180
 aagtgtgttg atgctaccan aattgcagga ttcgcccttg ccacctctgc cctcgtgtc 240
 tctggggcaa gtgctgaagg tgttccaaag aggctaacct tcgacgaaat ccagagcaag 300
 acctacttgg aagtgaagg gacaggaaca gcaaccagt g 341

<210> 13569
 <211> 286
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700862952H1
 <400> 13569

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 cagttgttac tcgtgcggaa ccacctaaac ctggctctct tttcgatctt agttcattca 120
 atcgccacag ctttccggca ggcttcactt tcggggcatc atcttccgct taccagtttg 180
 aaggtgcggc aaaagaatat ggtagaggac caagtatatg ggatactttc atcaatcaac 240
 atccaggtaa gatagcagat ggaacgaatg gagatcgcg acttga 286

<210> 13570
 <211> 315
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700862953H1

 <400> 13570

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 ctggatcagg ctacaaaggt gggaaaaagt ggaagtatca ctatctacaa gagacatgaa 180
 ggcaaggaag caaagtgcaa cagagaaggc actaataatg aggaagtgca aagaattaga 240
 gtttctgcct tgaagctgga tccagaatat tggaagaatg taccccgtag gcattgctgt 300
 caacttttgg gtggt 315

<210> 13571
 <211> 306
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700862926H1

 <400> 13571

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 gcaagcactt cccaatgatc ttatttccag gggaatggct gtggcagatc ctaatgcacc 180
 acatggccta aagctaacaa ttgaagatta tccttttggc aatgatggtc ttctcatatg 240
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 cataga 306

<210> 13572
 <211> 371
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: 700862902H1

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<400> 13572
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atthttccggc gaagaagctg ataagagacc ttaacctttt tccttctgaa gatgtcaaca 180
tcgttcctcg ccaactcaat tctcacgcca acaaaatcgt cgagaaaccg cttagggttcc 240
canacttagt gccttcagac tccggcattt ccctcgacga cttgggtcac cgcgctggct 300
attatcttat tcctcattct catgctgcca aagatgtcta cttnttcttt gaatcaaagg 360
acagcaagaa g 371

<210> 13573
<211> 344
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700862903H1

<400> 13573
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gtggagcgtg acgtgtcaat ggattcgggg tttaaggagg agttgcggaa gctgatgggg 180
accanacaag ttaaggttcc ggttggtgtc gtgaaaggaa ggttggtcgg ggggtgctgag 240
gaaattgtga agttggaaga agagggataa ttgggtgttc tctttgaagg gtttcccaca 300
aggctttggg ggagtgtgaa ggggtgtggtg gtgtgaagtt tgta 344

<210> 13574
<211> 347
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700862904H1

<400> 13574
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gaactatgag ttatgcattg gacgctttgt gagatccatg tanatgagag aatagtctgc 180
 tagaagggtt tggagggttga tatcactgca tggaccaatc ttgactatat tttgcggttg 240
 cacatgatca tcgaagagga naattaagac gattcttaac aaagatgaga atgtacgctt 300
 ctcatTTTTat ttgaaaaggT tgataatttt cacatgatgt tattgaa 347

<210> 13575
 <211> 138
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700862906H1

<400> 13575
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 tcttatttcc gatcatga 138

<210> 13576
 <211> 336
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 700862910H1

<400> 13576
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 aattaccaac gacaagggca ggctttctaa ggaggagatt gagaagatgg tgcaggaagc 120
 tgagaaatac aagtctgagg acgaggagca taagaagaaa gtggaggcca naaatgcatt 180
 ggaaaattat gcctataaca tgaggaacac aatcaaggat gacaagattg cttccanact 240
 gtcttctgat gataagaaga aaattgaaga tgcgattgag caggctatcc aatggctang 300
 atggaaccac ttgctgaggc tgacgaaatt gaggat 336

<210> 13577
 <211> 324
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700862911H1

<400> 13577

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 caaaacaact gggtgggctc cttgtatggc ttcttcctca gttggtagaa gagctacata 180
 ttcaacacaa tctgtatcga caaatgagcc agttgtatct gtagattggc tttatgataa 240
 cctgaaggag ccagatatca aggtactaga tgcttcgtgg tacatgccgg atgagcagag 300
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<210> 13578

<211> 325

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700862912H1

<400> 13578

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 aggagcttaa ggggcaggac ttttaattata ttagtattaa tttacagtag ctgtggcggt 180
 ggттаатсат caaaagctct ctttttgatg cgagcgtgag tcaaaggcag gtttgttatg 240
 gaacgaggag ggggtttgaa gaaccccaaa ttgaataaag tggttttgat tggagggaaa 300
 agcttgaatg gaaggatagg gttcc 325

<210> 13579

<211> 360

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700862914H1

<400> 13579

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 atcctcctcc tcagaagaag aaggatcgat gtgggcagct tcttgcttgg cgtcatgctg 180

cgcgggcctgc gcatgcgacg cctgcaggac cgctcgtatcg ggaatcagcc gccgttccgc 240
 caggatcgcc tactgcggcc tcttcgcctt ctctctcgtc gtcgcctgga tcctccgtga 300
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<210> 13580
 <211> 334
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
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<400> 13580

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 ctcatctctg gaccctttat ctcccaaagg tgcagatcaa gagtgcctcc tccgctcagt 240
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<210> 13581
 <211> 331
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700862916H1

<400> 13581

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<210> 13582
 <211> 349
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 <213> Glycine max

<223> Clone ID: 700862917H1

<400> 13582

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 tgtgaagaat gttgcagtca aggatctcaa gcgtggtttt gttgcatcca actccaagga 240
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<210> 13583
 <211> 350
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
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<400> 13583

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 tgaggtctan aattagcggc ggcgatggtg ttgcggccac cgtgaattcc ggtcgcaaag 180
 ggacggtgag atacagagaa tgtcagaaga accatgccgt cagcatcggc ggccacgccg 240
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<210> 13584
 <211> 341
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700862919H1

<400> 13584

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 ttgcagggac ttcactagtc acacagaatt tgggatttag tgacacgctt ggggcttttt 240
 tagctggagc aatttttagca gagacaaact tcaggacca gattgaagca gacataagac 300
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<210> 13585
 <211> 345
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
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 <400> 13585

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 ggaaaggggtg tatcaaaggc tggtgacaat gtgatcancg tcattggccc tgctttgatt 300
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<210> 13586
 <211> 298
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700862921H1
 <400> 13586

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 ccctgttcat ctgtatcttc cgccaacaag aattcaacat caatatcagt gccactgaga 180
 aattcatgtg ccctaaggga gtttatacct tcggtaaaag aggtaataac tcgagatgat 240

accaacgaat ctttcgttac tgatgagctt gaaaatcaga agtaggagat agatgatg 298

<210> 13587
 <211> 336
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700862923H1

<400> 13587

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 cagcctccgc cgcagcagca acaaccctac gtcgatgatgc cgccgcagca tcaggcgccg 180
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<223> Clone ID: 700862925H1

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<223> Clone ID: 700764650H1

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 tggaattgat gaagagactc tgtctga 147

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 gttctgaccg tcaacaatac gggcga 146

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taatgccggt aaacgccgct 140

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<223> Clone ID: 700764658H1

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<210> 13597

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<212> DNA

<213> Glycine max

<223> Clone ID: 700764659H1

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<213> Glycine max

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<212> DNA

<213> Glycine max

<223> Clone ID: 700764661H1

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102

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<211> 146

<212> DNA

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<210> 13602

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<210> 13603

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<223> Clone ID: 700764672H1

<400> 13603

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gtgcatgatg agccacattc agagggataa aataatgggt cttatgttga tttggagtgg 120
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<223> Clone ID: 700764674H1

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<211> 141

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<223> Clone ID: 700764676H1

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<210> 13606

<211> 148

<212> DNA

<213> Glycine max

<223> Clone ID: 700764678H1

<400> 13606

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<210> 13607
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 <223> Clone ID: 700764679H1
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<210> 13609
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 <223> Clone ID: 700764682H1
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<223> Clone ID: 700764683H1

<400> 13610

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<223> Clone ID: 700764685H1

<400> 13611

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<223> Clone ID: 700764649H1

<400> 13612

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<210> 13613
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<223> Clone ID: 700764686H1

<400> 13613

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tctccttcac cgtcgctctc tccaacgata acaacaacat cgtcaccca tggcaaacgc 120
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<210> 13614

<211> 145

<212> DNA

<213> Glycine max

<223> Clone ID: 700764687H1

<400> 13614

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gtatgcttca tcatttcgat tttct 145

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<211> 142

<212> DNA

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<223> Clone ID: 700764688H1

<400> 13615

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<210> 13616

<211> 104

<212> DNA

<213> Glycine max

<223> Clone ID: 700764689H1

<400> 13616

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<210> 13617
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<223> Clone ID: 700764691H1

<400> 13617

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cgacgaataa gggatcacac tctcttaatc aaccatgttt acccgaattt ttggtaaacc 120

taaaccggaa gtcaatactc 140

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<211> 140
<212> DNA
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<223> Clone ID: 700764692H1

<400> 13618

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tgacgtgcaa atcgttcgtc tgacttgggt ataggggcga aagactaatc gaaccgtcta 120

gtagctgggt ccctccgaag 140

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<212> DNA
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<223> Clone ID: 700764693H1

<400> 13619

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acacagcata c 71

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<223> Clone ID: 700764694H1

<400> 13620

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cccaggatga gacctgtggg atttgtagga tggcctttga tggatgttgt cctgactgta 120
aacttcctgg agatgactgc gcattgat 148

<210> 13621

<211> 150

<212> DNA

<213> Glycine max

<223> Clone ID: 700764695H1

<400> 13621

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tcccagaaag ggcttgtgca tggatgtctc atggtttcat gagtgtaaat acaaagttgg 120
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<210> 13622

<211> 151

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700764696H1

<400> 13622

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<210> 13623

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700764589H1

<400> 13623

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 taagtcctcc agataatcct caggttaaag aacttcgctg cattgtgatg ccaccacaat 180
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<210> 13624
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 <213> Glycine max
 <223> Clone ID: 700764590H1
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 ctctgcagct cagagggggg atgatgactc aactcctaca attgatgttg ccaatctgtc 120
 tccaactcct gaaactggag aagaatcatc gcacccgact gtagtggcgc ctgttcaagc 180
 agaacaggta tctgcgtccg gctctggaac tactgcgcta gcgacagcgc aa 232

<210> 13625
 <211> 234
 <212> DNA
 <213> Glycine max
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 ggcatgtttg aataagcttg tgagtgtgtg gtaataaagc tttctggaac tactatggca 120
 caggtttaca ttatagatct caagaatgta cttgtgaaac tatgcacctt gatgtattgt 180
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 <213> Glycine max
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gcagcgggta gattgggtgt ctactggata agcgcgtgcga agagcgcggg atccaatatg 120
 agtacggcac cggcagattg gagaaccgct cgtcggttaga ggcggacata gcggctgtga 180
 agcccagcca cgtgttcaac gccgcgagtg tcacgggtag aaccagtgtg gac 233

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<223> Clone ID: 700764594H1

<400> 13627

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 tttatcacia agcaacttcc acataatgtg acgttgccgc tgagcttaat atatgccatg 180
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<210> 13628
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<223> Clone ID: 700764596H1

<400> 13628

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 aatctttgtg tacccatggg tgtattggca acagggcctg gtataggagg ttgggtgctg 180
 gaaaagccag ttattgaaaa agtcaccctc agccgtgagt ctgaat 226

<210> 13629
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<223> Clone ID: 700764601H1

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 agagccaaga cgacggcaag gactaccagg agccggc 157

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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700764603H1
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 ttctatggcc ttctcctcaa ggactactac atcgcactcc caaatactct tgggttttcta 120
 ttcggcataa tccagatggt gctgtattt 149

<210> 13631
 <211> 143
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700764604H1
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 atcaatcatc cattcattat tcatcatgtc gtcggcgaag aaaatcacgc tgaagagttc 120
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<210> 13632
 <211> 145
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700764605H1
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 aagaccctct tagtaacggt ttatc 145

060313

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6253

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 atttgatga ggaagcctga ggagatca 148

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 <223> Clone ID: 700764614H1

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 ctctgctgag agattccatt gcccgaagag aa 152

<210> 13638
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 <212> DNA
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<210> 13639
 <211> 156
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700764616H1

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tgctttgctc agagaacttg agcaaatatg gaacga 156

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 <212> DNA
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<223> Clone ID: 700764617H1

<400> 13640

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tacaattcgt ccataccggc tcatggtcac tcggtttcta acgggagac 169

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 <212> DNA
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<223> Clone ID: 700764620H1

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tggggcccgt ttctgaaggg a 141

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<223> Clone ID: 700764621H1

<400> 13642

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gatgatctcc cagaaacttt at 142

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<212> DNA
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 <223> Clone ID: 700764622H1

 <400> 13643

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 tgtaaagaaa aattt 135

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 <212> DNA
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 <223> Clone ID: 700764623H1

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 <223> Clone ID: 700764624H1

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 <223> Clone ID: 700764625H1

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cagcctagga tggtaattgc gag 143

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<213> Glycine max

<223> Clone ID: 700764588H1

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agcctacaga aagcttgcaa tgcaatggca ccctgacaag aaccaacca ataagaaaga 180

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<210> 13648

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<223> Clone ID: 700764626H1

<400> 13648

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ctatgtcggg gggctcgctt gggccactga cgaccatgcc ctcgagagag gttctctca 120

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<211> 123

<212> DNA

<213> Glycine max

<223> Clone ID: 700764627H1

<400> 13649

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<223> Clone ID: 700764630H1

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 ccattacaaa ttattatgct cacacttggg gaag 154

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<223> Clone ID: 700764633H1

<400> 13651

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 <213> Glycine max

<223> Clone ID: 700764635H1

<400> 13652

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<223> Clone ID: 700764637H1

<400> 13653

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<210> 13654

<211> 137

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<223> Clone ID: 700764638H1

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<212> DNA

<213> Glycine max

<223> Clone ID: 700764640H1

<400> 13655

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ggtcgtctaa tctgttgggg 140

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<213> Glycine max

<223> Clone ID: 700764641H1

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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700764647H1

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 caattctctt ctctgctcgt ctcttctg 148

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 <223> Clone ID: 700764543H1

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 cgaggttcgt gctgtgacag ccacaatttc tccagtggga caatcgggag cacctatgtc 180
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 <223> Clone ID: 700764544H1

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 acattacgta aaaaatggga tatgtagcgc caaatgtaag acaaaaatgg atgtaggatt 180
 atgtctttgt aggtgttatc ttcattctatg agaggctcgca aacatacaat agtt 234

<210> 13663
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<212> DNA
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<223> Clone ID: 700764546H1

<400> 13663

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 ttatggatga agatgaagac ccccttgcta cttgtcctcc tgactctctt cagacttttt 180
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<223> Clone ID: 700764549H1

<400> 13664

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 catgtccac agtcatctaa gtttcgcctt gcggattcta ggtaacattg ccgccttcgt 180
 gtgctttctg gcaccactac caacatttta tagaatttgt aagaaga 227

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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700764550H1

<400> 13665

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 ctgactcaga agcttcacga agccttcaaa ggcaccgtcg agaggattac tggcccccca 180
 accgtgtccg ccttcaaaga aaaaggaggt ctcagtgtct ctgacttcgt caccg 235

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 gcttccttga tcattctaag aaattcaacc cagaggacat ggaattacga ataccagga 180
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<210> 13667
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 <223> Clone ID: 700764558H1
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 agcctatgca aacaggctta agagcagtag atagcctggg tcctataggc cgtgggtccac 180
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<210> 13668
 <211> 231
 <212> DNA
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 <223> Clone ID: 700764559H1
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 acggaagttt cttccgattc gaagaaagta ggatacaacc ctgacaagat gccttttgat 180
 cctatatctg gttttgaggg agacaacaga gtgagagggt cacaacctt g 231

<210> 13669
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<212> DNA
 <213> Glycine max
 <223> Clone ID: 700764561H1
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 ccgtctaaaa caccaccctc gt 82

<210> 13670
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 <212> DNA
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 <223> Clone ID: 700764562H1
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 gtcaacccaa ccatacggaa acctaggccc aagagatgtg tgcacctcgg cccctcaata 120
 attggccctt gaagcagcta ggcggtgtat agtcttacta catgacatag gtaactccct 180
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 <223> Clone ID: 700764563H1
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 agtatccggc gtcaagaaga acaaggatcc accccttcc attcaggatg cttccgaaag 120
 gattacaaaa cgagggtgaca cgggtggatga caagattaag aagcttgatg ccgagccccg 180
 tagatataaa gagcagatta agaaaactag acctggctct gccaggaag ctgttaaa 238

<210> 13672
 <211> 61
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700764565H1

<400> 13672

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<210> 13673

<211> 229

<212> DNA

<213> Glycine max

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<400> 13673

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tcggatagaa gtgttgggat gagaaaccgc aagtacgtaa acaccatcaa agcagcgggt 120

gagaaagaat gccccttgac ggtttcatgc gctgacattc atgctctttc tgctaaagat 180

ggcattgcct tcttcggagg accaagcatt gacatgaaga cagggcgaa 229

<210> 13674

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700764568H1

<400> 13674

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ttcaacagtg gctctctctt catcatcagt ggctgggtcaa gctatcaagc ttactcccct 120

ccaaccctga gctgtgtgtt ggacgggtta gcatgcggaa aacagcctcc aaaactgttt 180

cctcaggaag cccatgggtac ggacgagacc gtgtcacata cttgggcca tgct 234

<210> 13675

<211> 223

<212> DNA

<213> Glycine max

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tgctggatca gaggcctagc atgctagacg tgggtgcgtat gattgaggac attatccgtg 120
 gcgaggctta tgatggcttg ggataagcgg cggatgagcc ttcctaagga tccgagggtc 180
 aggcaccagc cccagagtca aggactccaa ctagggcact cag 223

<210> 13676
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<223> Clone ID: 700764570H1

<400> 13676

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 acaagctcag aggtattgac aagcgtgtca tcgcgagatt cgagaaggca gctgctgaga 180
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<210> 13677
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<223> Clone ID: 700764571H1

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 tcaatattgc tgagaaaggc tttccattt ctgtttataa ccgaaccact tccaagggtg 180
 atgagactgt agaacgagca aaacctgaag gcaatcttcc agtttatggc 230

<210> 13678
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<223> unsure at all n locations

<223> Clone ID: 700764572H1

<400> 13678

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 cagcacgagg accatggtgt gctcttcct gcacttgcaa atggagaatt ggagcttggt 180
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<223> Clone ID: 700764576H1

<400> 13679

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 ctgctttgac tggagaatct cttcccgtaa caaagagccc ctcggatgaa gtgttttcgg 180
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<223> Clone ID: 700764577H1

<400> 13680

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 ttactgcaag cccacttct ctcagttggt caaggagaag ggtagctaca gttatctgtc 180
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 <213> Glycine max

<223> Clone ID: 700764578H1

<400> 13681

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 tctggaattt ggttccaatg aaacaatctt cttctccggg gcacttggcc ttagccttag 180
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<210> 13682
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 <213> Glycine max
 <223> Clone ID: 700764579H1
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 tgaagatggt ggagagcggt gaagaattta acacggagag gatgatggag gaatttgaga 180
 gggtgacaaa ggatgctgag aggattcaaa gggaaaccct gaagaggatt ttggaa 236

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 <211> 70
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 <223> Clone ID: 700764580H1
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 tactcatcca 70

<210> 13684
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 <223> Clone ID: 700764581H1
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ttcgtgccaa aaaccttcaa agtctagatt tttaagcaca aacaaggggtg tgccagatct 180
 gaatctccaa gcaagaggggt taacatgctg tagttttaag gatagatagt gg 232

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<223> Clone ID: 700764542H1

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 ggccttctac cagttaccgc aagaagaagg tcgagaagga agatgatgtt gttgacacag 180
 acctctatcg tgatcccacc acctccctct actacacaaa ccagcaggggt atattaga 238

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aaggaggcca tgtggaatcg gtacacatca acagaggctct atgcaagcgt cacttagagc 180
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<223> Clone ID: 700764585H1

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agaaagaggg caactgtgcc ctctgcgctc accaatgtgg ttctggacat taccgatgta 180
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atttcagata atttgcgtgg ctctgggtgc ttctgggact taggaggtgg agacatattt 180
tgtgataagc cgatacccaa tttggatcag tggtttg 217

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<223> Clone ID: 700764511H1

<400> 13690

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gaggggcatt ctttctgtaa ggacagcctt ggttcaacat cgtagtgaga aattgggcct 180
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 tttagctat aagccccctc cggatgattt acaatgcttc ttggagtttc aaattccaag 180
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<210> 13693
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 ttgggttgctt cctacgtcac cccttccgat ttcttctata agaggaacca cggccaatc 180
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 aaac 244

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<223> Clone ID: 700764516H1

<400> 13694

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 tatg 244

<210> 13695
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<223> Clone ID: 700764518H1

<400> 13695

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 gggcctttga tcacatcaaa tacctcaatg gtgggttctga gattcagctt catcttgata 180
 aatacacagg tactggcttc caatcaaaag ggtcctactt gtttggtcac ttcagc 236

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<223> Clone ID: 700764519H1

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<210> 13697

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<212> DNA

<213> Glycine max

<223> Clone ID: 700764520H1

<400> 13697

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 ggtctccgac gacgaccgct ccgtcgccgc tgactcctgg tccatcaaga gcgagtatgg 180
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<223> Clone ID: 700764521H1

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 tggaatcgga ggatttggtc aaacaggaat tggaggaatt gcagaaacaa ttggggaaga 180
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<210> 13699

<211> 87

<212> DNA

<213> Glycine max

<223> Clone ID: 700764522H1

<400> 13699

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tcacgagacg tggtgtaaaa tggtgtt 87

<210> 13700

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700764523H1

<400> 13700

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ggtattgacc ttatcggatt gcctcacctt cgttagcaac ggcagcaccg tcaccaaacac 180

acaggaaca tgctgctctt ccttgaaaac tgtgctcaac acagccccta agtgcctttg 240

<210> 13701

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700764524H1

<400> 13701

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actgtagat accgagtatt cttgggacac aaacaatact ttgtatcttc agatgttggt 120

gcgggaaaga tgcaatggta tgcatttcac aaagaacctc ctggtggtgt tgatgagccc 180

aacggaaaaa aggtcagggt gcttaggata tttgagggt ggtgtgataa tgctgtagat 240

<210> 13702

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700764525H1

<400> 13702

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ccagttgcta agccaattcc taatgaagaa gaaaaattca aaggatttat tccaaagcca 120
 attcctataa ttaagcctat tccaaagata attcctcatt acgaaaccta ttccaaagat 180
 aattcctatt gttaaacccta ttctatttcc agtttataag cctaaaccaa aactaattcc 240

<210> 13703
 <211> 109
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700764527H1
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 cctcaaagtg cctgccc aaa tacgcgtgct gcatgcgagc aggcactcg 109

<210> 13704
 <211> 237
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700764528H1
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 cttgacaatt ccctcatcga agccgttcac agggttcgcc gcctagtcgg tcctcatctt 180
 tccaacaacc tcaccttctt ccacggagat ctccgcaatg ttcaggattt ggaggca 237

<210> 13705
 <211> 225
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700764529H1
 <400> 13705

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 actgttgtgt gatagtccat aagttacggc gttaacatat ggatatcgga caacagttct 120
 gctactgagt acctttgtga gtgcaaccat tattctcata ttcaggcgga gattatgcaa 180

ccaaacctca gaatcagaat atgcaaagct tccaccaggg cctcg

225

<210> 13706
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 700764530H1

<400> 13706

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tctctgcttc ttctccttgt aagttctctc gctcgtcttc tccgctgtt tcttctcctt 120
gtggactgta agagctgaac taagagatgg gggtgtcttt caccaagctt tttagccggc 180
tctttgctaa gaaagagatg cgtattctca tggtaggtct tgatgctgct ggtaag 236

<210> 13707
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700764531H1

<400> 13707

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atatattaag acatagatat aatttttttc gttttatttt tccttgcatg ggctgttaag 120
ataagatgct tcgcacgtgc tcacagtgcg gcaacaacgg ccacaactcg cggacatgca 180
ccgacggtgg cgccgcgct tcctgcgggc ggtctcccag ggcgaacggc atcatgctgt 240
t 241

<210> 13708
<211> 161
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700764532H1

<400> 13708

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agttcttcaa ccaagccttc cgggtggcgac cgggtgtcgcg g

161

<210> 13709
<211> 226
<212> DNA
<213> Glycine max

<223> Clone ID: 700764533H1

<400> 13709

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atcggcgatg actgcctcca aggatcgcca gaacttcgtc tacatcgcca aactcgccga 120
gcaggccgag cgttacgaag agatgggtgga atcaatgatg aacgttgcca atctcgacgt 180
tgaactgacg gtggaggagc ggaatttact ttctgttggg tacaag 226

<210> 13710
<211> 235
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<213> Glycine max

<223> Clone ID: 700764534H1

<400> 13710

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tctttgtatg ttttggtgtt tgccagccta gagatggctg gattcaatgc accgctaccg 120
ctaccatctc cgtcatatgg aaatcatata accattctca gcatagacgg tgggtggtatc 180
aggggcatta ttcttgcgac tgttcttgaa tacttagaca aggctcttaa ggcta 235

<210> 13711
<211> 233
<212> DNA
<213> Glycine max

<223> Clone ID: 700764535H1

<400> 13711

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catatctcct gcagtttatc cgtgagtaca ctggcaaagt tgatgaactg gtgaaggata 120
aaatagaagc gcagaaccaa gtgaaagcta aagagcaaga agagaaggaa gtaattgctc 180

aacagaatat gtatgctcag ttgttgctc ttgctttgcc tgcaccgcca atg 233

<210> 13712
<211> 235
<212> DNA
<213> Glycine max

<223> Clone ID: 700764536H1

<400> 13712

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cacaaaaata ttttaagaaaa ttttagagaa gaatgatgct ggagatcatt tcccattatt 120
tgccacctgc ttaggctttg aactcataac gatgatcata agccaggaca ataattattct 180
tgaagagttt agtgcacaa atcaggcaag tactcttcaa tttgtggaga atgca 235

<210> 13713
<211> 234
<212> DNA
<213> Glycine max

<223> Clone ID: 700764537H1

<400> 13713

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cagatctgca tcttccattt tttaggatta agcggtgaga ttcgtgaatc tgagaaatgt 120
cggattcttc tcgggaggag aatgtttaca tggcgaaatt ggcggacagg ccgagcgtta 180
cgaggagata gttgagttca tggagaaggt agcacagact gtggagggtg agga 234

<210> 13714
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700764538H1

<400> 13714

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tgattctact cagcaatcag caatcagcaa tcagcaatca gcaatcagca tcattacttt 120
tcctttgatt tataatcaaa aagcaaggga cagacacaca gaagttgtta tcttgaatca 180

gaaaacatga tgctaagaag ctcttcaaca ccagttcttg gatccctcct ctcttcct 238

<210> 13715
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700764539H1

<400> 13715

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gctcagcctc atgacaaaga gcatggagac ccggaagaa agggcccttt ttcttcaatt 120
ttgagggcctt tttactgaat aagttttag tagtataaatg tatgctgtaa tagtcatat 180
tgagcgatgg aaagtatcgg gctatttaac tatgacttga gctccatgct agtataaata 240

<210> 13716
<211> 229
<212> DNA
<213> Glycine max

<223> Clone ID: 700764541H1

<400> 13716

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aaagacaaca cgcataccgt tggaaagaag gatgctgctg gccatgttgc tgaatttagt 120
tcttgcttcc tttgtcttct tgagttttat cagagacggg agtgcaggga ttagtagctc 180
tttcattcgg tcagagtggc cggcaggtga catccccctt gatcatgaa 229

<210> 13717
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 700764510H1

<400> 13717

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gtgatatctt ggaacataat accttcaatg caaaagacca aacatcttgg ccctgtaaca 120
aatgggaatg gaggctccta aaatgaccct cagaaccttg gcagctctgg ttgtaactcc 180

aaaatatcac tactctatta ctatctgtcg ttgcagcagg tattatgttc gaagaca 237

<210> 13718
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700764501H1

<400> 13718

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 gtgttctaca ctctgagcg ttctctgagg gacgagtaca acatcccga gtacgcgttg 180
 ctttgtggcg tagtgaaggg tctgccaaag ccagagccat atcactgatg ttggggccact 240
 atgaag 246

<210> 13719
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700764502H1

<400> 13719

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 aaattagatt aattgtgacg atgatgatca gagaggaaaa ggggtgtgaag cctgttctac 180
 taaaatttgg tttggctttg gctctttcat ttgctggatt tatctactca cgcctcaga 239

<210> 13720
 <211> 89
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700764503H1

<400> 13720

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 cgaaagcata cagaaaagaa aatgggggc 89

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99

<400>	13721
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<210>	13722
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<212>	DNA
<213>	Glycine max

<400>	13722
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<210>	13723
<211>	240
<212>	DNA
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<400> 13723

6281

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<210> 13724
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700764509H1

<400> 13724

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catttcttcc cgtgcacgag ccaatggaag gaacacgcac cagcgtctcc ttcagcatca 180
aaacaattct aacactggaa aacttgtagt ggattctagg acctatgctg tctcttttca 240

<210> 13725
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700965264H1

<400> 13725

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tatacgtgat acacaatcaa aatgtttact tctattgatc cgggggtactc atagcataaa 120
acgacaactg acagctgcaa ctgggtgctgt tgtcccttc cagcattcag tgttaaata 180
tggtgggata agcaacttgg ttttaggata tgcacactgc ggtatggttg ctgcagctcg 240
ttggatt 247

<210> 13726
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700965265H1

<400> 13726

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tcctgttcca cgctgcatca gcctcagagc acccgctagg gtttcttctg cacaccaaac 120

caaatggcgg atcctgagtt ggaagcaatc agacagagaa ggttgcagga gcttatggct 180
 agccatgggtg gcgtgggaaa tcaacagaac cctgaacagg agaaagctca ggatgatgca 240
 aagagggagg ctgagg 256

<210> 13727
 <211> 242
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700965267H1
 <400> 13727

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 acaagtgagc caagagaact ttgataaggg actcatatac ccaccattca ccaacatcag 120
 aagatttcag cacacatagc tgccaatgtt gctgctaagg cttatgaact tggcttggcc 180
 actcgccttc ctcaacctaa agatttagtg aagtttgcag agagctgtat gtatacccca 240
 gc 242

<210> 13728
 <211> 241
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700965268H1
 <400> 13728

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 aggtgaatgg caagaaaggg tgggtggatc atttggtcca cattgtgtgg cctccttctt 120
 catcaactac agtttctggc cccaaaaccc cccttcttac agggaggtta atgaggaata 180
 ttgcaagcac ctaagaggag tggtagacaa attgttcaaa agtatgtcgg taggggtggg 240
 g 241

<210> 13729
 <211> 240
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700965269H1

<400> 13729
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 gtccaggctc tctccattt tctcctcctc ccccttttgc cctccacct ccaatttctg 180
 ccccgagggg taatgggtgcc actggagcaa tagccggagg tgttgccgct ggtgggtgctc 240

<210> 13730
 <211> 243
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700965270H1

<400> 13730
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 gttgacccaa cttgcaggaa cttctattga tggagtgtga aaaggtggct acagcatttc 120
 agacgcctca tcaggtaacc agcctgatgc tattttgatt ggaactgggt ctgcagctgg 180
 aacttgctgc tgctgctgct gaagatctaa cgtatgaacg aacagctgtt agcgttgtat 240
 ctc 243

<210> 13731
 <211> 242
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700965271H1

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 cttctgcaaa gcagaaaagg ggatcttgct ctgtactgat gttgctgctc gtggacttga 120
 caacctgatg tggactggat tgtgcagtat gatcctcctg atgaacaaa ggaatatatc 180
 cacagggttg gtagaacagc tcgtggggaa ggtggaaaag gaaatgcttt acttttcctg 240
 at 242

<210> 13732
 <211> 244

<212> DNA
 <213> Glycine max

 <223> Clone ID: 700965272H1

 <400> 13732

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 ttcggaagct gtttgccaa acactcccat tccactgca ctgcgagagc ttctaaagcc 180
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 aaaa 244

<210> 13733
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 <212> DNA
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 <223> Clone ID: 700965274H1

 <400> 13733

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 gctagttgta tgtggttatt catttctttt gtgatgttta actagtccaa gtatcttttc 180
 aacgatgtgg tagcacacta gctggaaaca gtttttttaa ggtcttggtg cgtaatatct 240

<210> 13734
 <211> 239
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700965276H1

 <400> 13734

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 tgtatttgat ggtgatttcc acaatcctac attttctgct ggaacaagag ttcctagaca 180
 aacatggcat gatttgact gcagagtaga tggagctgct gcatatgatg atcttatta 239

<210> 13735
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965278H1

<400> 13735

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 aaccctctgc ctcacgctta ccattctgat ctccacttct tcgctgtgcg acgaagtga 120
 attcggttgc gcaaatagtg agaatttgct gtctttggct agagttgctc cgagtgatcg 180
 cttcccttgg tgcgacgaag tgaaatttcg ttgctgcaaa tagtgagaat ttgctgtctt 240
 tgg 243

<210> 13736
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965280H1

<400> 13736

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 ctgggttcag ggtataaagc ttgtctttca tgtaaataga ggattacca atagggtcaa 180
 ttcgcgcttg agagcttcaa ctggggctca gatgagcttt agactaggga aagttcagaa 240
 atggtg 246

<210> 13737
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 <212> DNA
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<223> Clone ID: 700965281H1

<400> 13737

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 gctccgtcgg agctggggat cctgatgagg tctctgggag gtaacccgac gcaggcccaa 180

ctcaaagcca tcgtggctga agagaacctc acggccccct tcgacttccc cggattcctc 240
gatctaattgg ccaaacacat taa 263

<210> 13738
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700965283H1

<400> 13738

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aaaatggggc tgtctttcac caagttgttc agccgactgt ttgccaagaa agagatgcga 120
tactgatggg ggggtctgat gctgcgggta agaccaccat tctgtacaag ctcaagcttg 180
gagagattgt caccaccatt cccaccattg ggtttaatgt ggaaactgtg gaatataaga 240

<210> 13739
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700965284H1

<400> 13739

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aatagacaag ctctacggtc gaaggggccc tgccaacaat gatgcgttcc ccggccgacg 180
agaaggcttt tgggtgggtc atcaagtccc taatggcgac atggatcaaa agcctcgga 240

<210> 13740
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700965285H1

<400> 13740

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ctctgtttct gtgtttattt acttcgattc tacgcatcga attcaattct ctgtgatcta 120

accctgaaa tcaatgtgcc tctttcggaa tcgcagagcg agcaacggtg accgccatca 180

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<210> 13741

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700965286H1

<400> 13741

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tcactttctt tatcagtcag tttttggctt ctagggtttc agtgatttgt tctaaagttt 120

agattgtgtt attatccac tacagttcac actctgtaac aatacgtggg gaaagcctag 180

tgcttgtgga aattcaaaa ctgttgaggt tttcttcatt gattgaactt tgtgtcgtc 239

<210> 13742

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700965287H1

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ttgcgcgctt tgcaatcgac cccgattatg gccaacagta acctccctcg aagaatcatc 120

aggagacgca gcgttcgctc agtgagccag cacctggagt tagtgcgctc ccttcggaag 180

acagtatgcy gtatttcaat gtgatgatcc ttggcccaac tcagtcgcct tat 233

<210> 13743

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700965289H1

<400> 13743

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ggtagactga acaagtgtgg gggtattagt ccccggtttg atgtgggcgt caaagagatg 120

aaggttggac tgctaggctt ctccctcaa gacagtttgg gtatattgta ttgactacct 180

ctgctggcat catggatcat gaagaggcta ggaggaaaaa tggtggtggt aaggtatt 238

<210> 13744
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 700965290H1

<400> 13744

agcgcctagg gttttccaag gcggcggcgg tggcgaggcc ggtgcagtgg ttcacgag 60

accccgccgc agcaacaaca accaggcaag aaggcggcgg cgaagatagt gaggggaagg 120

gtggagtgtt acagcaatgg ggatttctac gaaggggagt ttcacaaggg aagaagcaac 180

gggagtgggg tctaccatta cttcgtgaat gggaggtacg aaagggattg ggtggatgg 239

<210> 13745
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 700965291H1

<400> 13745

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ctgcctcgaa aggcttcgat ttcgcttccg atgacatcct ctgctcctac gacgactagc 120

caaccgcgat tccagttcca acggcaatca caccgatccg gattttcaca aatcaaggag 180

gatgtttccc actactgcct ataatccacc tgaagattct ttgagccaag atgtgat 237

<210> 13746
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 700965292H1

<400> 13746

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caattctcat cttttttggg cttgattttg gagggatcag cctctcgtga tcaacatggc 120

ttgatctcca caagattatc cctttgacac ttcaagtact accaacattg attaaatcag 180
actagtgaaa tgtcaaaaga aaaggactca gctgacaatc aagtggatac attttct 237

<210> 13747
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700965293H1

<400> 13747

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tcgatcagct acagactttt acccaaattg aaggacaaat aagtgattca ttaagtaaca 120
acaatgtttg aagacaaaat taaccaacga gcttcaaaat gtccaacctc cagaaatgta 180
tgcattcgat atgcaatgca tttatagagt accaccagtc attcgtgaaa ctaatccc 238

<210> 13748
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700965294H1

<400> 13748

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tcattctttg gcagagtctc aaaaggctgt tactgctgcc acaaattata ataatagggt 120
gtcgaatgcc gtttggtctc tattgtgctc gctataaagc tagggatgga tccaaaagag 180
gcaatttcaa aagtgaacac actgtctgat gttgaagggt tatgtgtatc atttgctggt 240
a 241

<210> 13749
<211> 247
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700965263H1

<400> 13749

aacgaatcga aaaaagaaag atcatggcga tggcaaactt ggctcgacgg aagggttacg 60
 ccgtcgtttt gtcgtcgagg tcgtcgcttt gtctgacaag gtggagggggg ttcgcgtccg 120
 gatctgacga aaacgacgtc gtggtcatcg gcggcggtcc cggcggtac gtggcgcca 180
 ttaaagcggc gcagtnggt ctgaaaacca cttgcatcga aaaacgtggc agtctcggcg 240
 gtacctg 247

<210> 13750
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965295H1

<400> 13750

tgcaaaaaca catacagaac agaattctgag aactagaccc tctcaaaccg gaaccgcaaa 60
 tgaagcccaa gagcattcgc atccgtaact taccaacgca cctgctgcta atcgctgttt 120
 gctgttcacc tcttcgtccg cttccaagat cggagaaaat tgtgggtcag acaacaaatg 180
 cgacgctgga ctcagctgcc aaacatgtcc tgccaatgga gataccgcac caagatgttc 240
 gcgg 244

<210> 13751
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965228H1

<400> 13751

aattggtagt gcaagtcaag tccatttcac cacccttcaa cactaccaca acaattctgg 60
 gtattatccc cccacattc tgcattcgtc caatctttca gtcgcaaaat tttcagtgtt 120
 tcccactctc ccttaaatca ttcccaccct tctcacactc atggatctgt ctgtccagta 180
 acccacacag aaaaaaccct gaagaaaaac aagaccatat catacatttc atttacagag 240

<210> 13752
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965229H1

<400> 13752

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gccgatccac caactgcgac tccatcaagt tctaaaggag cgggtagctt tgccaatttc 120
ttccgcggat aatgaggcaa cgtatgctgt aacacttggt atcgttatca ttaaaatgca 180
agaaagcgag tgtgactcgg gttccactca tgtgagcctg ttattgtatt agtttctggt 240
tcagata 247

<210> 13753
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700965230H1

<400> 13753

agaaatttaa gtgaggagct agagaatgat gatgaagtct gctatgtgtg cagtgggtgg 60
tgtagcactt cttcttctgg cggaggtggg gcccatggct gaggctgtga catgcacccc 120
aacagagtga gtccgtgtct tccagcaatc acttccggtg ctaaaccctc caatgcttgt 180
tgcacgaagc tgaagcagca aaaaccatgc ttatgtggct acctcaaaaa cgctagcttg 240
aagcagta 248

<210> 13754
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700965231H1

<400> 13754

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aggattgatg aaattaatat ggtagtga ctacctcatc tatgtggtgt ggccaggtgg 120
cttgggggtt gctgtcctag gcaacctgag tcagagcgag gaggatacat catgcaattt 180
tggcaagatt acctctgcta cattggtaga gtttgctaag aaaggttga tctgactgga 240
aaagactgaa t 251

<210> 13755
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965234H1

<400> 13755

caaattcatt ttaatcctaa ttctgcactt cttgatcatt cgatttttct cctcaagatg 60
 cagatattcg taaaaacttt gaccggcaag accatcaccc ttgaggtgga atcctccgac 120
 accattgaca acgtaaaagc taagattcaa gacaaggaag ggatcccacc tgaccagcag 180
 agacttatct ttgcgggtaa acaacttgag gatggtcgca cccttgccga ttacaacatc 240
 caaaaggaat 250

<210> 13756
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965235H1

<400> 13756

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 tttggtgatg ctgtgcctca cagaccagtg gaagatcttg catttgctgt ggcacgcttt 120
 taccagcgag gtggaacttt tcaaaattac tatatgtacc atggagggac taattttggc 180
 cgggcttctg ggggaccttt tgttgctagt agttatgatt atgatgcacc aattgatgag 240
 tatggat 247

<210> 13757
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965237H1

<400> 13757

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 tggctgctgt tccctctact ttcgctctaa ccaaactctgc attgtccata aacaagctgg 120

accatctctg gtcaagatca aaccatacag cttctctctg aatctaaacc gtctagggag 180
 gatggaaaca tctttaacca gaaggcctct aacaattcaa gccacatata gtgatgggtg 240
 aa 242

<210> 13758
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700965238H1
 <400> 13758

gaaaagatta tgagcattat gccaatatcat gcttcaaagc ttttgagagc agagttaagc 60
 actggattac cttcaatgag cctcataact ttgcactcca tggttatgat ttaggcattc 120
 aagcacagga agatgttccc ttttggttca tcttctatgt aagaaaggag aatcatccac 180
 tgagccatac attgttgctc ataacattct cttgtcacat gctgctgcct atagaagcta 240
 ccaact 246

<210> 13759
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700965241H1
 <400> 13759

caaacatcca tcatcattat tattttactc cgaacgagtt gacaccgatt ccaactcactc 60
 aaccatgagc cgattcaggc gttttgagct catagaacaa ccacctttct tccactcctg 120
 ctacttttcc cttccttcgt cctccaagac tcaactctctc tcgacctcga cctcttgcca 180
 ctccccagcc acttcgacgc tttcgcagat ctggtgcacg cgccgctcgtt cgcttaccgg 240
 cgcgtg 246

<210> 13760
 <211> 245
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700965242H1

<400> 13760
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 ggtgattgaa agagaaggaa gaagaagcag gaaatggaag cagtgaagagc tggtcgagaa 120
 ggagcaatag gtctaggtca aggtgatggc gtagcagagg acagcactga gactgaactc 180
 accaaaaatcc gtctcctcag ggcaattggt gaaacccgtg atccctcttc caagatctat 240
 tgtag 245

<210> 13761
 <211> 68
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965243H1

<400> 13761
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 catttcag 68

<210> 13762
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965244H1

<400> 13762
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 tcactatagt gctgatgata tattaataca agcaactgaa tcaactcttc gatatcagag 120
 agggaaaccta tctccctgct agacggagtt cctgttgcta tcaaggatga gatagattgt 180
 ttgccatatt ccacaacagg aggtacgaca tggctgcaca aagaaaggcc ttgtagcgat 240
 gatg 244

<210> 13763
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965245H1

<400> 13763

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 aagatgctga tcttcgttaa gacactcact ggtaaggcaa tcacccttga ggtggagagt 120
 tcagtaccat agataatgta aagtccaaga ttcacgacaa ggaagggatc ccaccagacc 180
 agcaacgtct gatttttctt ggcaagcagc ttgatgatgg acgtacactt gctgattaca 240
 a 241

<210> 13764

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700965246H1

<400> 13764

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 caaaaataaa aaataaaaaa taaaacgtgt ttttggtcac taaacatcaa agaaaaaaaa 120
 aatgcttctt aaccacattg gcgcgggatt ctactggatc gacccgccac gacccgatcc 180
 gaaacgtcaa acccgaatag tctcctctag tttaaaccgc cggcgggcgt cgccgccgtt 240
 tccggc 246

<210> 13765

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700965247H1

<400> 13765

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 ataaggtttg cttgtgggat gtgcctgctg ctgcctctca agataaggat cttgatgcat 120
 ttcattgtta tgagggtcat gagaatgtgg ttgaagatgt gtcctggaat ttgaaggatg 180
 agaatatgtt tgggtccggt ggagatgact gcaaattgat catttgggac ttgcggacga 240
 acaaacc 248

<210> 13766

<211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965250H1

<400> 13766

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 aatgacacc cacaaaggag gagagaaaga gagacgctac tactactact actactacta 120
 cttccctct ctgcacagc cctgaagctc cagaaccccg ttttgggaatt aattcgcttc 180
 tctttaatct aaattcggtg attctttccg ttgacatggt ggagggtcca acctttcttg 240
 tttc 244

<210> 13767
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965252H1

<400> 13767

ctaacaccct cagaaccgtt cccacttgc tttcaattt tctttttttg cccttttcgc 60
 cgccctcaaa gagttcaagg atttatacaa ttaatagttt tttaatttgg aatggctgga 120
 atttgctgtg gagttgttgg agaatccgga gagacttctt cctcttcaat cgaacccacc 180
 tcgcgcccct ccgctcgccg gagtttggac cttttgcctt tgagatacat agctgctgac 240
 gtgt 244

<210> 13768
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965254H1

<400> 13768

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 gtaagctttt gagtcgtgga tggagatcac gtgtcaagcc caatgttgtg gttgccagc 120
 atgcactggt cagttcaaaa ccgttgccga tgctattgct tcctaccaa aggataacaa 180

aggtagatac attatctacg ttaaggctgg tgtctatgac gagtacatca ccgttcccaa 240
gagt 244

<210> 13769
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700965255H1

<400> 13769

caccatcatc aattgattca attcaattac gataagaatg ggtaatatct gcgctcgttt 60
gaagttgaag ccggcgccgc aaccctctac gaagaagcgt tcctcttccc gccgagagag 120
gaggtcgacg acgacgccgc cattcgtgag caggccatcg ccgccgcgat tctctttaag 180
cagcaccagc aacaacagca acagcagcag cagcaattcg atcgctctgc atcgcttcgg 240
tat 243

<210> 13770
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700965256H1

<400> 13770

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agaggaattg agtgcagaat ggctgccttt tatgcagggt tcccagagac agtgcctctt 120
cgaactgtca ataggcaatg ttcattctgga cttcaggcgg tttctgacgt agctgcttat 180
ataaaaagctg gggtctatga aattgggatt ggggctggat tggagtctat gacagtagat 240
cgtgt 245

<210> 13771
<211> 245
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700965257H1

<400> 13771

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 ctccggaccac tacaccaggg tcaagtctca gatgaacca acccaccgcg caccgcacaa 120
 caacaacaac gccaacggtc ncgacggcgt cgtttcgccg ctctccccgc ggggtctatgg 180
 ctgcgtcata ggggtccaga agggccgcac cgtggagatc ttcaacagct tcgaactcct 240
 ctacg 245

<210> 13772
 <211> 242
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700965258H1
 <400> 13772

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 atgtttcacc actctcaccg aggctgtatg gttaaccatc ccagcaagg gaaccaagtg 120
 cagtccgagg aaatccagac acacgttgtc gttttagcag attactatgt tgtagccgat 180
 gatgtccagg gtcaccaact tcaaactatt tccgccaagg tgacatcccc ttatggaaat 240
 aa 242

<210> 13773
 <211> 242
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700965259H1
 <400> 13773

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 ttacaatggt ttagtgatgg atctgcttgg accgagtctt gaagatcttt ttaacttctg 120
 cagtagaaag ctatcactaa agacagttct catgcttgct gatcaaatga tcaaccgtgt 180
 tgagttcatt cattcaaaat cgtttctgca tcgggatatc aaaccggata attttctaata 240
 gg 242

<210> 13774
 <211> 240

<212> DNA
 <213> Glycine max

<223> Clone ID: 700965260H1

<400> 13774

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 acctgcaagg aaaagtgaga tgcctcctgt aaagaatgag gatttgatac ctggggcaac 120
 tttactggga aagtgagatc tgtccagcca tttgggtgcct tcgttgatat tgggtgctttc 180
 acagatgggc ttgttcatat ttcgatgttg agtgatagct atgttaagga tgttacaagt 240

<210> 13775
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965227H1

<400> 13775

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 ttgcagccat gactagtgtt ttgggtgttg gctattgttt agtaataagc ttgggtgtag 120
 cactagtctt gtttctgctc aaccaacaag ggctttcttc gtatttggtg attcactcgt 180
 ggacagtggg aacaatgatt tcttggtaac cacagccaga gcagacgctc caccctatgg 240
 catt 244

<210> 13776
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965261H1

<400> 13776

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 tggcaaggaa atcaggcaag ttcgacgaag caagtctaga gttccagaag aggatgctaa 120
 tgtcctccgg aatcggcgat gaaacctata taccgaaggc cgtcatcgcc tccaccgaga 180
 acaccgcaac gatgaaagag ggtcggggccg aggcctccat ggtaatgttc ggagccctcg 240
 acgag 245

<210> 13777
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965262H1

<400> 13777

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 tctccgtaat gtggctcatg aggggtgaatg ccattgaccc ttgtgcctct caaccggata 120
 attcggacct caacgtgatt cccatctaca gcaaagtctc accgttcaaa ccaccaagg 180
 cagacacatg ggacaacaga attataaaca tggcctcaaa agaccagtc cgagtgaat 240
 acttgt 246

<210> 13778
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965194H1

<400> 13778

attagcactg agtaacacgc ccgaatatgg caccctcaat ctccgacgaa atgccaagca 60
 ccaccagctc tctctccgc cgcaaccgat ggctcccctc tagcatcaaa ctgaaaacaa 120
 gccttttctc agagctctcc ggcgcggtgt gtgacctagg cacctacatc cccatagttc 180
 tagacttatc cttagtgaac aacttggcac tcaccaccac actggtctac actgctctct 240
 acaaca 246

<210> 13779
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965196H1

<400> 13779

ctccctcgct ctattttctca gtctctgtgt ttgcggctga ggattccgaa cgagtgcct 60
 tcttcgtttc tcgcaaagtt taagtaatca tgggtaagga aaaggttcac atcaacattg 120

tcgtcattgg acatgtcgac tctgggaagt caactaccac tggtcacttg atctacaagc 180
 ttggaggtat tgacaagcgt gtgattgaga gggtcgaaaa gggcttccgc gatttacaag 240
 aggtcattcc agtatg 256

<210> 13780
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965201H1

<400> 13780

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 tctcccaatc ctcatgaac cctctctctc catgcttatt tagtgccctt tttgttttgc 120
 atcacccaat caatcactga ccccttggtc ttcattgccc acatatcttt ttctctcaaa 180
 gtttgcgact ttgtgttgcg aagatgagcg gtgcgggggt tagggcttca attccgagca 240
 gtgtgaggag gacgatc 257

<210> 13781
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965202H1

<400> 13781

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 tcccatcttc tctctcgta taatcaaate acacttttgt gttgtgttgg gaaacccaaa 120
 ccccgttttc ggtgagatcg agatcgatcg aacatggatg aggagtacga tgtgatcgtg 180
 ttgggcacgg gtctcaagga gtgcattctc agcggcttct tctccgctga tggcctcaag 240

<210> 13782
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965203H1

<400> 13782

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 gtggtggtgg ttgttgatgc caggtttgtg gtggagaaga gcagtataac tgttctgtcc 120
 ccgcataagc tgaaggcgac gcgatggcgc catcggtaac ttcggtcttc cggactacgg 180
 aggattcatc gttggctctg tgggtgatcc cgctaaaggc tcacacggat gtgagaactt 240
 cgagggcgat aagccttc 258

<210> 13783
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965204H1

<400> 13783

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 tgtttttgca agaggggtatg gcgaaggacg ttgaggttgc tgagcgtggc tccttctctg 120
 ggaaggactc caggaccctc caccagcacc actcattgat gctgaggagc tcacaaagtg 180
 gtccttttac agggctctta ttgctgagtt cattgccact ttgctcttcc tctacattac 240
 tgtgttcaca 250

<210> 13784
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965205H1

<400> 13784

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 cactcatctc agctctcttt tctatcaagg actcttcccta gacatcgcca ctgcactttt 120
 gcgccactta tagaactcaa caagctagga tttcctgttc tgttgacca aatgaagtgc 180
 aggtgccaac tgtgaaaacc caggatccca agagtaagcc tgagtgtat ggtgtcttct 240
 g 241

<210> 13785
 <211> 252

<212> DNA
 <213> Glycine max

<223> Clone ID: 700965206H1

<400> 13785

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 gagatgaaat gcaatccaca gtggccatgc agacactaca aggtttcaag ataacccac 120
 aaaaccctat gttgataact tatgccaaga aatagacagc ggtttcttta acttatgaga 180
 aaggcaggaa tcacatcttc cgcaaagagt tgtaaatcca ttaaatgcag tgggtgatct 240
 taattgatat ct 252

<210> 13786
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965207H1

<400> 13786

agagaagcta gcgtgctgcg ctacaaggag aagcggcgaa cgcgcctctt ctcgaaaaag 60
 atcaggtacc aggtgaggaa agtcaacgca gatcgacggc ccagaatgaa ggtacgagtc 120
 agttcacagt tgagtagagg acacttgaag aaatttgatt tatgtcagat aaagaaaaag 180
 aaaagaaaaa ggcaaactcg ctttatgatt tgggtgatgat aattggataa tgagggtcgt 240
 gcgtgggtgc gtc 253

<210> 13787
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965208H1

<400> 13787

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 tgagatttgt caaataaaaa agaactaga attgtgtatg agaatgaccc attagtcaaa 120
 cttgtgatat aaaggtaaaa gataaattat cttattatat tgatggggaa tgaccatatg 180
 aaattgaaca tgcaatttct tatttagtta aatattttat tttttgagct gattaatttt 240

tttctt

246

<210> 13788
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700965211H1

<400> 13788

tcggaattcg gttgattgca gcgaatcggc tcgagtcggt tttatattca ttttttatct 60
gttttcattt cattattttc ttcttctccc ttcgatttct ccagaacagc aagggagaat 120
caattctca tcgttgcaat tttctttcac tctctagatt ctcatcttct ctctcttcta 180
ccccttcaga aaaaaccatg tcttcatatt atatgtatat ctagctcttc attttttctt 240
gctcaagatt atgctgtaa 259

<210> 13789
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700965212H1

<400> 13789

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gcgtttaact tgggggatgt tattgggttc atgaggcctt tggatctgca agggtttggg 120
aagaagacat gtttgatgta ggcattcata attgcttcaa ctgcaactga ggaagaaatg 180
cttcaatggt aagtagcgat gtgaaatcta ttacatagct tttacgaagg tattgatctt 240
attatt 246

<210> 13790
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700965213H1

<400> 13790

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cggcacagca ctggcctaag tgggtgtaag tgagtcttgg gagtgagtca ctcttcctgc 120
 agaacccgat ctgtagacaa tatgggaagc actggtttgc tacatttgat atgccttgtc 180
 attgcttttag taagtgtgtc gcttgtgcaa gcagaagatg cgtataagta tttcacatgg 240
 acggtga 247

<210> 13791
 <211> 247
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700965214H1
 <400> 13791

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 cttgaaagat ttttcaagaa ggaagacttc agcagaatga aggtgattgg gcaattcaat 120
 cttggatttt catttgtaaa ttggatcaag atttattcat tgtggaccag catgctgctg 180
 atgagaagta taattttgag cgtttatcac agtcaaccat cttgaaccaa caacctcttc 240
 ttaggcc 247

<210> 13792
 <211> 254
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700965215H1
 <400> 13792

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 tcgaacatgg catccagccc gacggcatga tgccttctga ctccaccttc ggtgtagccc 180
 acgacgcctt caacaccttc ttcagcgaaa ccggatctgg caagcacgtc ccccgtagctg 240
 tcttcgtcga cctc 254

<210> 13793
 <211> 253
 <212> DNA
 <213> Glycine max

[illegible]

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atgggtgaag aggagaagag gtgtcaagag agaaggaaca atacatggga gtttatggaa	180
atgagtggtt gtatttggtt tgctctgcaa attggcgccg ttaagacac cagaattcct	240
gttccatgcc ttt	253

<400>	13794
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agaatcaggt ctcaagtccc	tcgacgactt cctctctggg	aaggtctacg tttctgggga	120
tcagtcacaa aggacgacat	caaagtgtat ggtgctgttt	tggagaagcc aggtgactct	180
tttcccaatg ctgccaaagt	gtacgaggtt gtctcatctc	agcttgetgc aagcttcccc	240
ggcaatg			247

<400>	13795
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ctctagagtt acaagtgttg cctctttctt cgtcagtaga gtggacaccc tcattgacaa	180
ggcccttgag gaaattggca cccagtggc ccttaattcta cgcggggaag	229

<210> 13796
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700965219H1

<400> 13796

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cattcggttaa ttaccagagc tcaactcctt cccccaagct ttctggcatc tcaatgatga 120
cacaagaatc atcagaggtg ttgggaaaac atgcaagctc aggttctcat gtgaggggga 180
gtagtgaata tattagactg gtcatatccg atgaacaaag ggtggttgaa gctgaaacct 240
tgctgactc 249

<210> 13797
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700965220H1

<400> 13797

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atccagaaat tctgttccga aaacggcggt atagtcgtga atccgattga tcataatcaa 120
acagtaacaa aacaagcgac gcaggcagcc ccgccgcagc acacgccatg cagtttttgt 180
catggtttct ctccaggagg ctctgtgttcg gaaccgagga acagaaaacc aaagcagcgt 240
acgagattc 249

<210> 13798
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700965221H1

<400> 13798

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gcttcttcag ttacctcact caccgtaccg ccgcgagggg gggccccact cgacctcacc 120
actactcgca acaacaaacc gatggcgatg atgattccct cacctacctc tggccccctc 180

agataaaata atgaaggaac cattgaactg attattgggg gaaattctag aatctatgaa 60
 gttactgatt cagattacaa ttgtcatttg ttgtttggat atacacctgt tcgttcagat 120
 tcagttgtcg gagaacttgt cttatctgat ccaactaaca ttgttctccc agagcttcca 180
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 gaagtgattc 250

<210> 13802
 <211> 247
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700965225H1
 <400> 13802

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 gaccggggcca aataccatta taaagtacat gactgatggg gtacttctac gtgaaacact 120
 caaagatctg atctagacaa gtatcgggtt attgtcatgg atgaagccca tgaaagatca 180
 ctaagcacag atgttctttt tggaatattg aagaaagttg tagcccaacg tcgtgatttc 240
 aagctga 247

<210> 13803
 <211> 259
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700965193H1
 <400> 13803

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 acaagtagta caagtccaat aagaaaagca agatagaaag attggctagt tcacacacct 180
 caattaatac aacaacacc tggtgctgat agttattata gagagagttc gatcaattca 240
 agcttgcaag ctttaaccat 259

<210> 13804
 <211> 259

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262

<210> 13807
<211> 65
<212> DNA
<213> Glycine max

<223> Clone ID: 700965164H1

<400> 13807

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ggcct 65

<210> 13808
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 700965165H1

<400> 13808

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gggctcactg ttgagcaggc tatccaaaac aagaagttgt tcatcttaga tcaccatgac 120
tatctcattc cttatttgag gaaaataaat gcaaatacca caaagactta tgctacaaga 180
accatatttt tcttgaaaga tgatggaact ttgacaccat tggccattga gttaagtaag 240
ccacatcctc aggggtgaaga atatggtcct 270

<210> 13809
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 700965166H1

<400> 13809

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gaggaggagg aggaggagga gagagaagaa gagaaaaaga agcataagca ggctcctcct 120
tctctcttcc ctattagtgt gagaaagggg tttagtgggtg aaagagtga gagagatgag 180
tggagtgaag gggcagtgtc aaccctactt gaggcctatg aggccaaatg ggtgctaaga 240

aacagagcca agctcaaggg ccatg

265

<210> 13810
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700965167H1
 <400> 13810

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 agagagagag agagatggga agagctccat gttgtgacaa cgcgtgtgtt aagagagggc 120
 catggtcacc agaagaagac acaaagctga ggggtgtacat agagacgcat ggcactggag 180
 ggatctggat cgctcttctt cagagagctg gacttgagat atgtggaaag agttgtagat 240
 tgagatcgct catctatctc ag 262

<210> 13811
 <211> 261
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700965168H1
 <400> 13811

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 tgagtctctt ggagtgggtca tgggagaggg atgcaagtag aagccctttt cagctatggc 120
 tttatctctc tctgacgagt tccccaatga aggggaggac ttgtcaaaag ggtcatcatt 180
 caatgggtga acagggctta gagcaagtct aggggaagtca agaaggcttg gggagaggat 240
 ctcaggcatg ttgtttcttg g 261

<210> 13812
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700965169H1
 <400> 13812

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caattcatgg acgccgtcga ctcaacccca aatccacctc cctccctac ctacgatcca 120
 tcagagtatc acaacccgcc gcaacatcaa tcggaaaccg ggcaaaacgg taacggcacc 180
 aacctcgga aaccatcgga gaacggcagt caggtcgctg ccgacaacaa cggcttgaat 240
 cctcagattt cgaagccatt 260

<210> 13813
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700965170H1
 <400> 13813

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 tatgaaattc tacaactggc gcccaatata gagaagcttg tgggtgatga tggttccttc 240
 aaggagattt tctgctttgt 260

<210> 13814
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700965172H1
 <400> 13814

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 tgaagtacaa gcacgggaag aagtactgcg acaaaggatg ggaatgtaag ggctgggtcaa 180
 tttactgttg taacctcacc attaccgatt atttcagac ctaccagttc gagaatctgt 240
 tctccaagcg gaactcgccg 260

<210> 13815
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965173H1

<400> 13815

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 cttgttccat agtttccagg agataaatct agtcattgctg aaaatccggc ttcacaacca 120
 ttggaaccag gtgaggctaa aagaggacaa aatccacttc ccaaactaaa aatgggagag 180
 aagcaacaaa atcacaagat gcctatgggtt ccaacgccag gacctgatgc tgatgggcat 240
 gccaatgagg aaagtaa 257

<210> 13816

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700965175H1

<400> 13816

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 ggaccttatg tatgcgctga gtggaacttt ggaggaattc ctgtatgggt gaagtatggt 120
 cctggcgtaa cttcagaacg gataatgagc ctttcaaggc ggcaatgcaa ggtttcacgc 180
 agaaaattgt ccagatgatg aagagtgaga agttgtttca atctcagggt ggtccaatca 240
 ttctctctca gattga 256

<210> 13817

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700965177H1

<400> 13817

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 gataacctgt gatatagttg ctacgttcat gcgtaatagt actaataata atactaataa 120
 atatgcacat ttctacatag gactgcgtag gcttgtaagc tctggatctt aggtttggag 180
 agctgtggca gtgtgtgtag tctgcttttg atgtagccaa cagagttgca gagaggtgcc 240

<210> 13818
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700965178H1

<400> 13818

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tgctaacttt gaggggtggtt tttgtatgaa ggaatatttc agggaaaaag ggcacatatc 120
aagttagaat tcatgtttat tgtgagaaaa tgagaactat aaatttggct catagtgtat 180
ccaaccatat atggatggta agattagaag ttagttaatg cttacatggt cacttaaagt 240
catgtgcatt tattttcaa 259

<210> 13819
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700965179H1

<400> 13819

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tctctctctc agaggttcta gaaagatcca ctccgaaatg gacggtgcgc cacaatccgc 120
cggtgccgga ggtccggcgc cgcttccttct gaagacctac gacatgggtg acgatgcctc 180
caccaacgac atcgtttcgt ggagctctac caacaacagc ttcgtcgtgt ggaaccctcc 240
cgagttcgct cgcttccttc t 261

<210> 13820
<211> 79
<212> DNA
<213> Glycine max

<223> Clone ID: 700965180H1

<400> 13820

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cagttgcgcc gttgaatgt 79

ataagtagtt taccaatgcc tggacaagtt gatttcatta atggtggtcc tccatgccag 240
 ggtttctctg ggatgaata 259

<210> 13824
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700965185H1
 <400> 13824

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 agttatatgg aacatatgca atgcagaaaa caagatgata tcagttgaaa ggatccttca 120
 atatacaaata ataacaagtg aagcacctct tgtgattgaa gacagcagac cacctagcaa 180
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 gccatctgtg ttgaaaaa 258

<210> 13825
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700965186H1
 <400> 13825

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 agaagatgcc gatcagaaac atcgccgctg gaaggcctga agaggcgact caccgccgaca 120
 cgttgaaggc ggctttggct gagttcatct caaccttcat cttcgtgttc gccggctcag 180
 gctccggcat cgctacaac aagctcaccg acaacggcgc tgccaccctt gccggcctca 240
 tctccgctc catcgccc 258

<210> 13826
 <211> 259
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 700965187H1

<400> 13826
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 tgcgngnaaa ttccacaata cttaaataat caggcttagc aatgcattgc tagtagatca 120
 ttacttgtag aggtgatagt agtggttagaa cattcttatt gatggtttga tattgtgaga 180
 ggtgaggggtt tgattcaaga gcaacacagc aaatggaggt atgttgaacc cttaacacac 240
 agaaaacaac ccaaaacga 259

<210> 13827
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965189H1

<400> 13827
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 cattatcttc atcctgcatg cagaacatga aatgaattgc tctacatctg ctgtacgaca 180
 cctctcatca agtggtgttg atgtatatac tgctattgcc ggggctgttg gagctctata 240
 tggacctctt catggtgg 258

<210> 13828
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965192H1

<400> 13828
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 acagaggctc ctggacttgg ctcaacggct ccgcctgtac aaacccccac cattccctga 120
 agacatcttg gatcagatca tggaagagaa gggagataag gttgtctcag aagtgaagta 180
 cacgaaatca gccaccccaa ttgctcaaaa cacagcaaaa atcggatata agagagctgc 240
 tgttttgatc tgcattctt 258

<210> 13829

<211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965156H1

<400> 13829

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 gttttgaagc cggaagtaga ggccctatca gattttgatg ttttcaagag gaattttgta 180
 aagagagatg gtaaaagtgt accatttgag ttgtacaaaa ggcgcacatc tgcatttggt 240
 cggagagaaa tttttctaga t 261

<210> 13830
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965120H1

<400> 13830

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 tgacaccctc ttaattctgc ttccagttcc tctgagtgat gggtatgatc tctcctcact 180
 cccacaattc ccacattata gtaatcctca tcacctgctt ctttcgtcat aaattctaga 240
 tcaaactcca ctccctgatc ctcc 264

<210> 13831
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965122H1

<400> 13831

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 tttggaatgt ctcccaaata gcaattcatt acttttaagg gatttgtatg gaataactga 120
 agcatcgacc attttccgtg gaaccctccg ctatgaagga tttagtgaga tcatggggac 180

actgtctagg attggcttat ttaacaatga agctcattcg ttgctaata gaacacagag 240
acaaactttc agaaaattct ta 262

<210> 13832
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 700965123H1

<400> 13832

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cagcaaaaaca aaaacaccgc gtcttccccg tgcgggaaaa aaaaaagaat cctcaatttt 120
ccgggaaaaac ccttcagaat gggttccccg gaaaatacca attggctctt cgattacggc 180
ttgatcgacg atattcccggt tccggatgcc acctttggcg tcaattcctc cgccttcaca 240
tggcccccta acgcccctga cgct 264

<210> 13833
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700965125H1

<400> 13833

ctctcttttc ctaacctcac cggcgggtggc ggggtggtgtt cgtgctgctg tcatgcctag 60
aaggactgcg gttatcgtgt cggcggcgac ggcggagacg ccgaagaaga agggcgagtc 120
gaaaggggtc gtggaagaga tgaggtttgt ggcgatgagg cttcacacga gggaccaggc 180
cagggagggc gagaaggagg tcaagcagcc cgaggagaaa gccgttacca agtggaaccc 240
atccgtcgaa gggtagctga aa 262

<210> 13834
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700965126H1

<400> 13834

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 caaagggaga aactgggaga cacagaagat gagagagata attagtattc atattggaca 120
 agctggaatt cagtgcaccc tctgttggca ttgcacacga tgctttcaac accttcttca 180
 gcgagaccgg attcggcaag catgtgccaa gggctttatt tgttgatttg gaacctagtg 240
 ttattgatga agtaagaact g 261

<210> 13835
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965127H1

<400> 13835

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 aatctcatcc tcttctttta catttgtttt ggataaaaca ttttgctgat attgaatttt 120
 tattttctct tgttttcggt tcttttcgac attttcttct tcttcttctg cttcggtggt 180
 ttcagggaga tagggatagg agtaacaaag ggagagtgc atcagtttgg ttcttcgctt 240
 cgggactcga atcttcgatg 260

<210> 13836
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965128H1

<400> 13836

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 ccattagaag ctttagaaat tttctaattg agttggtgta tagtggtgaa gggggtgaaa 180
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acaagcataa cccatgtact tgttattgta gatagataga gtgagtgagt gagcactgtg		180
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ctgcttcagt	gggaccactt	cttctttcag ttccatttat cactataatg gataactaatg 180
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atttcctctc caaattaaana tctcaattac cattacacac actcaacttg agaattttcc   180
ccaaaaatcc caagagctcg cgccatggtt tccccggaaa acagcaattg gctgttcgat   240

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271

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accccacaag gccaacggtg ccacgtgtca ccctgaggaa gaagcggggc tggtagggctt 180
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<223> Clone ID: 700965135H1

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tgtagggcaa cgaagaggag gacaacctgc tgaacgccga gcaccacttc gcgagcttca 180
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<223> Clone ID: 700965139H1

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<223> Clone ID: 700965145H1

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<211> 268

<212> DNA

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gaagaagaga gggagaaacc gattaccgtg ccaggattcg gttgattaat caggacaaga 180
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<212> DNA

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gtgggtggcta cttttgtggg ggcagccaca gctggtagct tttaccaaga ctttgaaata 180
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263

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gggtctacga tgcgcttga cctcactttc tctatcgct cctcagaacc gctatggcaa 180
gtggaggagg aggcctcaac gataaccgca acgcctactt aagcttatcc atcacgcttc 240
ttgccgcatt ttgtcgtgt 259

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<223> Clone ID: 700965154H1

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accaccaag accggtccaa ccagaccgtg gcctccgacc ttgacggcac cctcctcgtc 180
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aattacttgc agaggtgata gtagtggtag aacattctta ttgatgggtt gatattgtta 180
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tggtgcagcc gtgtcatgca atgatgtttc tgtgaaccta gcaccgtgcc tatcttacct 180
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tcagtcaatc cccaaactgc ccctctactt cgggcagcgc tgcccgacct gccccaagac 180
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cccacagatt ctgtaaattg agtatgttcc agggattaaa ataaacaaca tactagcttt 180
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06937 *Chrysomelidae: Chrysomelinae: Eumecurus*. - **06938** *Chrysomelidae: Chrysomelinae: Eumecurus*.

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06937 *Chrysomelidae: Chrysomelinae: Eumecurus*. - *Eumecurus* sp. n. from Mexico. *Ann. Entomol. Soc. Amer.* 48(1): 1-2, 1955. [Monterrey, Coahuila de Zaragoza, Mexico; 1 male holotype, 1 female paratype.]

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<212> DNA

<213> Glycine max

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<223> Clone ID: 700965111H1

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<223> Clone ID: 700965114H1

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 <212> DNA
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<223> Clone ID: 700965117H1

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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700965078H1
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 tagcaata 248

<210> 13881
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 <223> Clone ID: 700965050H1
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 aa 242

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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965051H1

<400> 13882

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 gtccttctc taattgcaag cacctttaga gacaacattg ttgggggtgg agtgtgcctc 180
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 tt 242

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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965053H1

<400> 13883

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 tgcatttgag ccacaattga agcagtggca gtcattctgt cgggatggac taatagagat 180
 aggtgtggtg cctaataatg gcttcactta tgaccatatt gatgggacta aagtaggggg 240

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<223> Clone ID: 700965054H1

<400> 13884

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ctgtggtgtc tctccacct gcaactgcaa gtgcggttcc tcttacggac tccgtcaaaa 120
ccagaaagct ttccttgaat cattgtact ccaatcgggt gctgtccttt tcaggggatt 180
cccactctcc accgcttctc acttcaacga cgtcgtcgaa gcattcggct acgacgag 238

<210> 13885

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700965055H1

<400> 13885

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ttatttaata tatagataga aatccaagga agaagatgaa gcattttgcc gtccaaaacg 180
tcgtcgttcc atcccacgat gagattagcg ttgtttgcc caagccccgc cgcctcggcc 240
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<210> 13886

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700965056H1

<400> 13886

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cctcctaagc aattggccaa ccttgccaat cttcttacct tcaatttatc tcacaacaac 180
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g 241

<210> 13887

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<212>	DNA
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<400>	13888
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<212>	DNA
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<400>	13889
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<210> 13890

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<400> 13890

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<400> 13891

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cttaagctca	accgagttcg	ccctctacgc	gccgcgcaag	acggcggggc	cgggcccggg	180
cccaaactcg	acggcttctc	gggctggtcc	gacaccgacg	ccgagcagcg	gcccaacaac	240
gcc						243

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<400>	13892
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6342

cgctgcta

248

<210> 13893
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<212> DNA
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<223> Clone ID: 700965063H1

<400> 13893

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taatttttat tgaaggatca aattagttta atacttgtag tgaaatatat agatattatt 180
ttgtttatca tgatagctgt ctttttacta gaattgcagc gtgttttgaa atttttggta 240
taccttcgat t 251

<210> 13894
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<212> DNA
<213> Glycine max

<223> Clone ID: 700965064H1

<400> 13894

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tccgccctca cactctgacc tgtggtgtcc ctcatgtgac aattcgggag ctgcaagggt 180
tcggtcttgg gttggaatat tgggagaacc cctccttcga aaaatcaagg aaaacgaaga 240
agctcgtt 248

<210> 13895
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<212> DNA
<213> Glycine max

<223> Clone ID: 700965065H1

<400> 13895

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 aataagcttg gtgtttttgt ttgaaataga attacctaatt tactggacac tattctttct 180
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 gtggttt 247

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 <223> Clone ID: 700965066H1

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 tacaccaag accgctccaa ccagaccatc gcctcggacc tcgatggcac cctccttgct 180
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 gcc 244

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 gtttgaccaa gttgttgggt gacaacactg acagccagaa tgggccgtta aaaaaatcta 180
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<210> 13898
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 <223> Clone ID: 700965068H1

<400> 13898

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gtcactccc ctccgccgcc ccaccgatcg cttttaccct ctctgctcct ccgccggagg 180
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<210> 13899

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700965069H1

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ctgaaaattg tgagaattac ttccttgtag tgttgatttg tttagtttta acattaggca 180
ttgttcatga ttttgatagg ttcttcttgt gtgttaaaac atagattgcg gaagtta 237

<210> 13900

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700965070H1

<400> 13900

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aaggtcgtt ttctccgga gaagccaacc ttattttggt ctttatatgt gcatttggtg 180
ctgcatttgc atgggtcttg ggtccactag ggtggttggt gcctagtga atatgcc 237

<210> 13901

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700965072H1

<400> 13904

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 cttcgaaccg gagagttgtc atcgtggtct ttctataggg ctggcatagc agagtttgtg 180
 gccactttct tgttcctcta catcacagt ctgactgtga tgggtgtgtt caaatctaag 240
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<210> 13905

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700965077H1

<400> 13905

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 cgtttccgtc gattgcctcc gaaacgatgt cgtatcgccc aagcggggaac tccaggaccg 180
 aggtccgccg caatcggtac aaggtggcgg tggacgcgga cgaaggtcgg agacgacg 238

<210> 13906

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700965014H1

<400> 13906

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 tggatcttgg tgatcaatga ttgcagcgag tatgatgttg atggggccga agaagagctg 180
 aactttgatg tggaggaccg gaagcctgac catcttcttc catcaaacct cgggatggag 240
 ag 242

<210> 13907

<211> 249

<212> DNA

<213> Glycine max
 <223> Clone ID: 700965015H1
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 ctgcgccact ctgccttagc ttcaatccct ctactttatt tcttagactg tgggggcacc 120
 aaagaggtac ggtagacaat ctacatata ttctgatga aagttacatc aaggtgggca 180
 aaaccaccac catcaacaag ccagacttgt tgccaatact ctcaacattg cgatactttc 240
 ccgacacgt 249

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 <213> Glycine max
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 agtctatttg cgacttcatt attttaagta tcttagactt gatggctcaa caaaaactga 180
 ggaaagaggc aatcttctac gaaaatttaa tgctcctgac tccccgtact tcatgtttct 240
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<210> 13909
 <211> 251
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700965017H1
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 gaaatatata atttgagagc tgtccatttt gccgaaagg tagagaaatt gttgccattt 180
 tggatcttga tgttcttttc tctccttgct caagaaatgg cccaaatttc cgtcaaaagg 240

ttctagagat g

251

<210> 13910
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965018H1

<400> 13910

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 agacgccctc ccgagagacg ccatgggagg tgacagtgcc gttgaggaat ccgaaggggt 180
 caacgtcaac atcaacgttc gctgctccaa cggttccaag ttttccgttc agattgccgt 240
 cgattc 246

<210> 13911
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 <212> DNA
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<223> Clone ID: 700965019H1

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 atttggtgtg ttttggctcg caaggtgtct ttgatccgag ccatcatgta catggtggct 180
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 aa 242

<210> 13912
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965020H1

<400> 13912

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<223> Clone ID: 700965025H1

<400> 13915

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cattcagcct gatgttgtaa catacaacac catggcaagg gcatatgctc agaatgggtga 120
gacaagaagg ctgaaaggct aatattgaaa atgccgtaca acatagtga acctaatagaa 180
cgaacttggtg gcatcataat aagtgggttat tgcaaggaag gcaatatgcc agaagccttg 240

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<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700965026H1

<400> 13916

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ggctacagtc cctataacct gcagggcaat ctccaataac atttttggac tgccgtatca 180
tttgggtatc tatttaccgt cttggagtc ataaggtgtg ctcttgccgg tatgtatgct 240
g 241

<210> 13917

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700965027H1

<400> 13917

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ctcgaattct cagtcaatgg ctgcagcagc accgagtgat ggttctggga agaaggtgag 180
agagccttac accataaccg agtccagaga gagttggact gaggaagcac atgataag 238

<210> 13918

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700965029H1

<400> 13918

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 tttctcaaaa caaccaggaa acccaciaaac aacagttatc caggctactt ttatgaattt 180
 gtccccaat acatatacag attttgtttt ccaggcagca gttcctaagt ttcttcagtt 240
 gca 243

<210> 13919

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700965031H1

<400> 13919

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 atcaattatc cacaccacag aggattccag tgattgagt agtggatatg aatatggaag 180
 gaccttatga tttatcatgc aatggagaag ctggtaacaa aagccttcag atcattaaat 240
 actctcctta ta 252

<210> 13920

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700965032H1

<400> 13920

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 ttcttcgact gtctacgatc tgctttctct gaattgtgaa aatgtcgctc ggagaaactg 120
 cttgttcata cgcagctctc atccttcgat aagatggaat tagtgtaact gctgacaaga 180
 tcagcacctt gttgaaaact gcaaagggtc cagtagactc ttattggcca accttgtttg 240

253

<400> 13921

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<400> 13923

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tcttcatgtc cgatctgtac gacggaggac gggtagttgc gtaactgccg ttaacccttc 180
gccgcacggt gggcgtgggtg ctttgccttc tgaaggtggg agcccttcag acttgctctt 240

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<213> Glycine max

<223> Clone ID: 700965038H1

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tctaattcca aattggtggt tgggtgctga gaaactccaa gaaaagaaaa atagagcttt 180
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a 241

<210> 13925
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<212> DNA
<213> Glycine max

<223> Clone ID: 700965042H1

<400> 13925

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ga 242

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<212> DNA
<213> Glycine max

<223> Clone ID: 700965043H1

<400> 13926

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atagaagcct	aaggaagtgg	acatgctccc	tgcatcagag	aggcagaaaac	gtatcgcgca	180
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agcttggaca tactctgagt atggaaaatc caaggaagtt ctcaagttta atcagagtgt	180
ggctttgcct gaggtgaagg aagaccaggt cctcatcaag gtcgctgctg ctccct	237

attccatcat	caatggagaa	caccgagggg	tccggatctg	cgacgaacgg	ggtgctggct	60
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gattcctcct	ggacaagggg	tacgaggtgc	acggcctgat	ccgccgctcg	tccaacttca	180
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ggatttgtga caacacaacg ctgtaaagta ctctcaatt cgaaaacgca gtgttttagc 60
attgttcctc aacacacaca caaaaaaac tcccttgat attgttgag ctctagctag 120
ggttcgcaag tgcgatcgaa gaagaacaac gacgatggcg atggctgcag ctctgcgctg 180
cgaaggaagg cgtttgacc aaccaatcaa cgccctccac tcttctctca attcctcct 240
catct 245

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<212> DNA
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<223> Clone ID: 700965012H1

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gagaagagag gaaattggcg tggcgtggcg tgatcggggc acagtctgaa tctgaaatcc 180
atcttcaaaa tctcaattca atataggagg gagctgtgcc ctgccctgac gtt 233

<210> 13931
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700965047H1

<400> 13931

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aaggttttca cagcacatcg atacgaggat gttgcggctg tcgattcaac gagtgaggaa 180
gttgaacttt ctcatgtccc agatctctgc tttgggaagg tccatttgt caactgctgc 240
tgaaccatc 249

<210> 13932
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<212> DNA
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<223> Clone ID: 700964978H1

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 cccctccttt cacatctttg gtgtcgacat gatccgctag cactaattgg aatattagga 120
 gtaaaccctt cgagggggga aaaccaaacc aattcaacca aatgcatacc atgcctccta 180
 aaggcacctt aactttaata ttccttcacc atgatgtcct ttctttcaac aacagagaac 240
 acacgttaat cacaccctct ccccac 266

<210> 13933

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700964979H1

<400> 13933

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 agtacgatga ggctggctct tcaattgtac acaggaaatg cttctaaatg ctgcacagcc 180
 tacagggtag cttggtgaaa gaaattaaaa tacggcggtc tcgttttata tgatgaaaaa 240
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<210> 13934

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700964980H1

<400> 13934

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 gctctcgctg gagttgagtg tgatggtata ggttaatagg aaagaaaaac taagtgagga 180
 aagggtgaaaa aagaattaat tagagtggaa gagtgtggtt attttctgat ttgagaagca 240
 aataccaaag agtgaagaac 260

[illegible]

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<212>	DNA
<213>	Glycine max

<400>	13936
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<210>	13937
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<212>	DNA
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<400>	13937
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6358

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 cttcggcgtc ttcaa 255

<210> 13938
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 <213> Glycine max
 <223> Clone ID: 700964984H1
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 cggcgcagag ccaagacgac ggcaaggact accaggagcc ggcgccggcg ccgctggttg 180
 acccgacgga gtttacgtca tggctgtttt acagagcagg gatagcagag tttgtggcca 240
 cttttctgtt tctctac 257

<210> 13939
 <211> 254
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964985H1
 <400> 13939

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 tttggagtgt catgggtttg tgattattat gtttcagaca aaaagctatt tggaggttct 120
 acccctggaa ctattacaaa caatgagtgg gcagaagaga ctgacaaaaa attgcaggca 180
 tggcctcgta ctgccggtcc accagtggtc atgaatccca taagtcgcca aaatttcatt 240
 gtcaagtctc gcgc 254

<210> 13940
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964987H1

<400> 13940

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ctgcaccaac tactggtggt gtgaagaagc cccaccgtta tcgtcctggt accgttgctc 180
ttcgtgagat taggaaatac cagacgagta ccgagctttt gatccggaag ctccccttcc 240
agaggctggt tcgtgaa 257

<210> 13941

<211> 124

<212> DNA

<213> Glycine max

<223> Clone ID: 700964988H1

<400> 13941

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catttcaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
agag 124

<210> 13942

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700964990H1

<400> 13942

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acaatgctgg acccaaattcc tgaacgtcgt ataaccattg agcagataag gaatgatgag 120
tggtttcaaa aggaatatgt tccggtcagt ctcatcgagt atgaagatgt aaatctggat 180
gatgtaaagt ctgcatttga caatgatgag gatcagagga ctaaccagca atgtgagaat 240
gacgacatgg gtcctcta 258

<210> 13943

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700964991H1

<400> 13943

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tcaaccccg c tactgaagac atcatagggc atattccagc cgctactaag gaagatgttg 180
accttgcggt ggatgctgct aaaagagcct tttcccataa caaaggcaaa gattggtctt 240
cagctcctgg ctctgttcgt 260

<210> 13944

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700964992H1

<400> 13944

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gcttccttct ccggccatct ttatcctgat ggcgtcgtct ctgggaattg cttgcggtgg 120
aaacaacgcc aaattagggga tcccaaagca gcggtgtggt tcggttcttc agccgccgtg 180
ctccctcgct atggggcgct cgacggcgag ggtggggagg atcacgatgg cgatggccac 240
ggccacggcg gtgatgacca 260

<210> 13945

<211> 71

<212> DNA

<213> Glycine max

<223> Clone ID: 700964994H1

<400> 13945

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cccaaatacg a 71

<210> 13946

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700964995H1

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 aaacttcaat taataattat ttggagtcca aaccttggca gctggcatca ataccggcca 120
 ccaacaaaga aaaaaactaa acaatattat ggcgaactgt cagcaatatt attttctttt 180
 gctttctctg gcaattttta ttctaccct gaatgccaat tccttagaga aagatgagta 240
 ttggcagagc catgtctatg a 261

<210> 13947

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700965001H1

<400> 13947

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 ctccaaaggg tccattgtgg attcttggcg atgttttcat gagggcatat cacaccgtct 120
 ttgactatgg aatctccaag ttggctttgc cgaagcagtc taattacgct ttctggagga 180
 ttttctttgt aaatttggtta agcgtgttgt aaataagctg ttataattgt agctctgggt 240
 actttttgaa acc 253

<210> 13948

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700965002H1

<400> 13948

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 aggaccttta tcttggaact tccaagaagc tctccctctc cagaaatgtt atatgctcca 120
 agtgcagtgg caagggttct agtctggtgc ttcgatgaag tgtgctgggt gtcaaggaa 180
 tggatgaag gtttctataa gacatcttgg cccatccatg attcagcaga tgcagcatgc 240
 ctgcaatgaa tgtaagggtta ct 262

<210> 13949
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965003H1

<400> 13949

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 caagtacaac actactctct cacagtcaca gtctcatatg agccagagtg tatcttctcc 120
 gtcgcatggg aagttggact tgtgccggac gggaacacga tgtcggagat atcgaactgc 180
 agctacagca aagtggcacc ggtgacggtg acggcgagc tctcggcggc ggatagggag 240
 g 241

<210> 13950
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965004H1

<400> 13950

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 cccttgatga tcaatatgct tcggctatca gaaactgtga tcctgagggc cctctgatgc 120
 tctagtctca aagatgattc cagcatctga caagggcaga ttttttgctt ttggtcgtgt 180
 attctctggc agagtttcaa ctggtttgaa ggtgaggatt atgggaccaa attatgtccc 240
 tgg 243

<210> 13951
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700965005H1

<400> 13951

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 aaaagagagc agcagaatca aagtcaagag gggatgaggc ttttaaaga aatgactatc 120

<400> 13954

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 ctggctttca ccttctctgt tctaattctc ctggctctcg gcaccccttc cattcctagc 180
 tcctcgcggtg gaaatttgcc caaacctaac gatctcgcat ccattgctcg caacacaatc 240
 c 241

<210> 13955

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700965010H1

<400> 13955

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 tgtaagggtg gctctgctac ctaatggagg tccttctggt ctattctttt ctggaagtga 120
 agtgcacat tctgatccaa agactgttgt gtacttgaag aggataaata ataagcatgg 180
 tttcatgata agacatgtat caaatttgta cctagcacia caagaaaata agccacatgt 240
 c 241

<210> 13956

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700965011H1

<400> 13956

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 atgaaaagaa cctggaggtg gagagtaagc gtcggagggtc ggctcagggtg cgtgtcccat 120
 cagtcctaata gcttggcaac agatgcgtga gaattatgaa gcaataattc ttgaggatcg 180
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<210> 13957

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700964977H1

<400> 13957

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 ggagagtgat tcaacttggt ctctgaacc tcacaaaatg tctggccaaa atcgctctat 120
 attttctgcc aaatcgggat ttgtcatccc taaaaacgag ttgtcagggt cactggtgcc 180
 tattttccga tgggctaaaa agcatggggt cactgttggt gccaccaatg aagaaagttc 240
 aaaacaaatt g 251

<210> 13958

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700964949H1

<400> 13958

gaggagaaaa ttgaatacaa tgatcttgta aagtcagttc ccgatgggaa ctcttcaaatt 60
 aatgaagaac acaccaatat ccagacagtt cagccagata aacaaaagga tgtgcccccc 120
 aaaaatggat ctaaatacgaa ttcaaaagat cgtggagatc ccaatgatcc ttgtgtcaga 180
 ctaaagcgtg attgtgttgg aattatggct gcattcaaac tcaaagatcg ctctcatcat 240
 attgttattg tggccaacac acat 264

<210> 13959

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700964951H1

<400> 13959

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 gagacgtttg cttttcaggc cgagatcaac cagctcctca gtctaatacat caacaccttc 120
 cacagaacat acgaggggtt tcttcgtgag ctcatcagcg atgcctctga tgctttggac 180
 aagattcggg ttgagagtgt tacagacaag agcgagcttg atgctcgcgg ggagttgttc 240

attcacatta ttcctgacaa g

261

<210> 13960
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700964952H1

<400> 13960

gacaaaaaca cgttcagaac cgcttcatca ataacatgcc gaccgaaact ctgtagtaag 60
aggacatttt ctgcatcaga cacacacata gatagaaaat acaacaaaaa tgttggtgtc 120
catgtccgtg tgcggccaag atgagattga gttgtcaaga gatggcagcc actacagtct 180
ctcaactgga atactacctt cccttgagc caaaagtaac cgcagactca agctcaaacc 240
cttcattata tctccctat 259

<210> 13961
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700964954H1

<400> 13961

gactcactta taggtctctc ttctctttct tctcctttct ttctgcggcg aaggagggcg 60
cagaccacgc cagcagttgt aggcgcccag gcggcgctag ggtggcagca acagccgcaa 120
ggcggggttg gcctcaacgg aatcatcgc atggtcgttt tctggtactt cgcttccaaa 180
ttgctttccc ccaaaaaccc taccgaacct tccgctctca tctccaatct ctttcagaac 240
gcacagcctc tggatatg 258

<210> 13962
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700964955H1

<400> 13962

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ttggtttatc aggacctcct tacaggtgat gagcttctct cggactcctt ccgttacaat 120
gaaattgaga atggaatgct gtgggaagt gaggggaagt gggttgttaa gggagcagtt 180
gatgttgaca ttggtgcaaa cccttctgct gaggggtggag aagatgaggg agtcgatgac 240
gcagctgtta aggttgttga 260

<210> 13963
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700964956H1

<400> 13963
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aaccggagga gtgacttcta tggaaccatt tctcatcaaa ttctttcccg gtgtttataa 120
acaaatgcaa gatgatgttg gccatagaag ccaatatgac aaattagaca acgagctcct 180
tacactcttc acctcttcct tgtatcttgc tgcattagta gcttcttctt ttgcttccac 240
cactacaagg attctgggac gca 263

<210> 13964
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 700964958H1

<400> 13964
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agagctgctt cttctgatct ttgaatcttg atctagatat ctagatacag aattggaaat 120
ggattcaaat gggagcctac gtgctaacac ctgggcaagg tcgtcgtcct tgacctctcc 180
tgcaagtggg ttatcctcag atcctcttct tttcccagggt tttggtttgc agcataatca 240
acaaaaatgg gatgttccct caaa 264

<210> 13965
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700964959H1

<400> 13965

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ctttgttctt cgctgtcgat ctataatgga aaatgtttga tcaacatttc atatgttatc 120
ctacattcct acctctagag agaaagaaaa aagaaaagaa aaagtataat aggatttata 180
atgtaaaaga aagagagata taaaaaaaaa aatgagagat gtttgtgaaa tgttttcaat 240
gaaaagtgat ttatggatta ttactct 267

<210> 13966

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 700964960H1

<400> 13966

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aaccttccaa acatggaacg catcgttggc ggcaagtaca agctcggccg caagatcgga 120
agtggatcct tcggcgaaat ctacctcgcg acgcatatta ataccttcga gatcgtcgcc 180
gtcaagatcg agaatagtaa aacaaaacat ccacaactgc tttacgaggc aaagctatac 240
aatattcttc aaggaggaag tggcattc 268

<210> 13967

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700964961H1

<400> 13967

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ggctgcagaa aagttggtaa ctgattttct ttttccatct acatccagaa agagacacat 120
taaaaccact tctctgcttc ccatatctgg tacttttaac gaggagcaaa ttagttcaat 180
caaaatgatt cttggttgca aaggtgcacc accctatatg attcatgggc ccccaggtac 240
gggaaagaca aggacaatgg tagaagc 267

<210> 13968
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964962H1

<400> 13968

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 acaccgctca tcttctcttc tcttttctct gctaatacatg gcaaccttgt ctactaatca 120
 ttgcacatta caaactgcaa gcaaaaatcc atccattgtt gccaccatag tgaagtgtcc 180
 ttcttcttta aggtctgtga agagcgtttc cagatctttc ggcttgaagt cggcctcttc 240
 atttagagtc actgccatgg cttcttaciaa gg 272

<210> 13969
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964963H1

<400> 13969

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 actcctactc tactctatct acacggaaga acaaaaaact atccccctcc cccaaaaaaa 120
 accccaaagc ggctcgggta ggggttagtt ttgtaccatt tcgtgtaatc taatttttca 180
 tccgtaaaaa tctaattttg aggcggcgag atggcggaga ttcagggtgca gcatcagagt 240
 ccggtgtcgg cggctcct 258

<210> 13970
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964964H1

<400> 13970

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 ttgatcacag tgggtgtggtg cgcgggtggcg gtgctattat gcgccgcggc cgggtgcgtcg 120

tgggtggagg aggcggcgaa cccgatacga atggtgtctg gcgtggaggc ggaggtggtt 180
 cgggtgatcg gggagtgccg gcgtgcgttg aagtttgcta ggttcgtgag caggttcggg 240
 aagagttacc aaagcgagga agagatgaa 269

<210> 13971
 <211> 263
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964965H1
 <400> 13971

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 tccaatgcat agcaaagaat gccctgaaaa gtggagaaga agaagaattg taagttctta 120
 aatctgggca tctctttcat atatgtgaac tgaccaactg aactcactaa gacataaata 180
 caataagcta catctctcag atttatgaga ttgcgttcat tggttgaggg agtgtagttt 240
 ggttttgtca gagttctaata tca 263

<210> 13972
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964966H1
 <400> 13972

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 cttctggtgt aaaggccatt agaagccttt tagaaatttt caaattgagt tgggtgatag 180
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 aaccctcttt ttctggagat 260

<210> 13973
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964967H1

<400> 13973

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 ctgatgcaac aaagaaattg aaggaatgtg aaaaagcagt aatgaaactt aaatttgaag 120
 aagcgattgc tgcaccagag tctgaaaggc gttcaatagc tgaatccata gatttccgaa 180
 caatagatgt tgagccacaa tattcaggag caagaataga gggggatgct gttactttgg 240
 attttgtgaa aaaaatgata 260

<210> 13974

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700964968H1

<400> 13974

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 ctgtgccttt ccacggaggc cagtggatgt tccattcggc agaaactacg ttcccacttg 120
 ggcttttgat cacatcaaact acttcaatgg aggttctgag attcaacttc atcttgacaa 180
 gtacactggg actggcttcc agtccaaagg gtcataactg tttggtcact tcagcatgaa 240
 cataaagatg gttcctgg 258

<210> 13975

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700964969H1

<400> 13975

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 ccctgttatt cgaactgcaa cttcaattgt tcctttggga tggaatgatg gactaggagc 120
 aaaaaatgga gaacctctga aagttgatat tactggtttt gggttgcatt tatgtacact 180
 tgttcatgct caagtgaatg gtaactgggt ctcaactact gttgaatcat ttccttctcc 240
 accaaactat tctt 254

<210> 13976

<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700964970H1

<400> 13976

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tgctcctttg gacggtgaat ctgagtttgt gcagggtgct gctgatcaga atcagaagaa 120
gaacaacctg ctggatatgg catctgtgca agatgattct gcaaaaactc tttctgagga 180
gcttgacagac attgaatccc agctgaagtt ctttgagacc ctttcttttc ttgatgaagc 240
ctgggctgat gctgca 256

<210> 13977
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700964971H1

<400> 13977

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tctatagtga ctggtctgcc taatcgcca catttgatct ttgttgacgg ccattgtgcg 120
gtatgcatga tcagttttgt ttatttgttt catttaattt caacattcta atgctgttgg 180
tttgcattct aagaaagcat agaaagtga aagcatgcag tatctattgt gatgttggtt 240
tgcatacatt ttacctct 258

<210> 13978
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700964973H1

<400> 13978

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taagccgcat cctcaagggtg aagaatatgg tcctgttagc gaagtctacg tgccttcgag 120
cgaaggagtt tgaagcttat atttggttat tggcaaaggc ttatgttggt gtaaagtact 180

cgtgctacca tcaactcggt agccattggc taaacactca tgcggttggt gagccattcg 240
tcatagcaac aaataggcat 260

<210> 13979
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700964974H1

<400> 13979

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gaccatgttc tcttctctcaa cttccttctt tctttgcctt ctctcttctt ctgtaacctt 120
ttgtcatggt ttgggggata aagtatttac aggaacatat ggagtaaact acggtaggat 180
agcagacaat ctaccttctc ctgagagtgt gggtactctt ctgaaagctg caaagattag 240
gaacatcaga atatatgatg 260

<210> 13980
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700964976H1

<400> 13980

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agaactgacc tatttgtata tacaatatga tgagtgtgat aatgctgcaa ctaccatcat 120
gaaccattca cctgaagcat gggatcacat gcaattcaaa gatgttggtg ttaaagttgc 180
taatgtggag ttgtattaca aggctgttca cttctacttg gaagagcatc cagatcttat 240
caatgatggt ctgaacgtcc ttg 263

<210> 13981
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 700964948H1

<400> 13981

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 tgccttcgcc gaacgccgaa acaatggccg gcaaaggaga gggtcctgct atcggaatcg 120
 atctcggaac cacctactct tgtgtcggtg tgtggcaaca tgaccgagtt gaaatcatcg 180
 ccaacgacca agggatcaga acgacgccgt cttacgtcgg cttcactgat accgagcgtc 240
 tcacgggtga tgcggctaag aaccaagtcg cca 273

<210> 13982
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964922H1

<400> 13982

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 ttcattcttc cttgcacctt cttctttgaa gatcgaaatt gtgtttttga aaaaatggga 120
 gttccagaga aagaccctct ttccaattg agtttgctc ctgggttttcg gttttacccc 180
 accgacgagg agtcctcgt tcagtatcta tgccgcaagg tcgctggcca ccatttctct 240
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<210> 13983
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964923H1

<400> 13983

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 atggatgttc tatccaaggc tgcaatgaac aaagggatga gcaattatgt gttcgtcgtt 180
 tatcgccatg ctgttgcaatt ctttgttatg gcccctttgg catggttttc tgacaagaca 240
 gtaaggccaa agatgacatt ctca 264

<210> 13984
 <211> 263
 <212> DNA

<210> 13987
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964928H1

<400> 13987

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 aattcagcac tgctgctgcc attgaagaac caattaaacc accacttaaa gttgaacaca 180
 ccagctctt aattgatgga aaatttggtg atgctgctac tggcaaaact tttccaacgt 240
 tggaccccag gacaggagat gtgatttctc at 272

<210> 13988
 <211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964929H1

<400> 13988

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 agatcaccga tgaattcacc gggcagggcg cgatcgggca ggtctgccag gtcattggtg 180
 ccgtcgtcga tgtcagattc gacgaggggt tgcctccgat catgaccgag ctggagggtc 240
 tggatcactc gtcgaggctt gtgttgaggg tggc 274

<210> 13989
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964930H1

<400> 13989

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ttttgctggg tgtgaggtct gatacccttc agaatgtagg cgcaattccc cccacatgca 180
 agcgcataga gtgtcccagc tatgatgtca ttcacgtagg caacggctac gaaatccgtc 240
 gctataattc acccgtttgg atttcaaaca gcccc 275

<210> 13990
 <211> 277
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964931H1
 <400> 13990

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 aattttcacc tactctaaat ttccgaggac atgcgaaaaa tgataataga tctcgtcggt 120
 aacgttaatt ttaacataaa tttttaaatc gtaatttata actaaatatt acaaaatgga 180
 attcttatta aaatgaaatt caaatcattt cttttataaa aaagaaaaaa attctttaat 240
 taaatattta atgaaattaa atatttaaat taataaa 277

<210> 13991
 <211> 279
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964932H1
 <400> 13991

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 attgaagccg cagtgagtca gtgatctttc gctctagcct ttgtcctcaa aactgaccg 120
 tggagtagtg aagaggcaag aaattgaagg ggatgttgat gatgagaaaa agactagcat 180
 gctgcacaag ggaaaggaaa tttagcatcg atcatgatga gcaagagagg attatgacat 240
 ataatggcct tgagagttgc atgctgaaca accagtctt 279

<210> 13992
 <211> 267
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964933H1

<211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964936H1

<400> 13995

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 tctgaagaga taccaaattgg ggatactcgt tttaagtgtt cccaccccat tcgtgatgca 120
 tacaacaaag acaaattatg ggaggctgta ttagaggac acattgacct attaagtact 180
 gatcattcac caactgtgcc tgaactcaag cttatggagg agggtgactt cttaaaagct 240
 tgggggggca tatcatcttt gca 263

<210> 13996
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964937H1

<400> 13996

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 tgactccgc actcaagaac atgctgtgac agcgctcctg aatctttcca tatacgaaaa 120
 taacaaagga agtattgttt cttcaggagc agttccaggt atagtcatg tgctgaagaa 180
 gggaagcatg gaagctcggg aaaatgcagc tgcaacactt ttcagccttt cagttataga 240
 tgaaaacaag gttacaattg g 261

<210> 13997
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964938H1

<400> 13997

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 aagaagctgc ggcccagggt attatttctg gtatcaatgc tgctagacat gcagacggta 180

agccagttat tgttcttgag agggagagca gttatatagg aacattaatt gatgatctag 240
 taaccaagga cctgcgagag 260

<210> 13998
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964939H1
 <400> 13998

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 ccgtcaagct cactcccca tccataacgc ttccacgctc caagcccctc accgtcttcg 180
 ccgccaccaa gaaggccgtc gccgtcctca aggggacctc cgccgtcgaa ggcgtcgcca 240
 ctctcatcca agaagac 257

<210> 13999
 <211> 265
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964941H1
 <400> 13999

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 tcacgccaaag aggggtgacca tcatgccaaa ggacattcaa ctgcgacgcc gcatccgtgg 180
 agaacgtgct taggctaata ataagagtaa taacgtagtt gctgctgctt tttttcgttt 240
 tgcaatacat ttcttggtttt aggggt 265

<210> 14000
 <211> 266
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964942H1
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 cttattctcc tctttcacgc ggcggaagcc aacggacagt ggcagctcct ccacaaaaac 120
 atcggcactg tcgccatgca catgcagctt ctccacaacg accgcgtcat catcttcgac 180
 cgcaccgact tcggactctc caacctaacc ctccccgacg gaagatgccg caacaacca 240
 aacgagttgg tcgtcaaacg cgactg 266

<210> 14001
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964943H1

<400> 14001

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 taaaggtact ccgtgcaaga aagatgaagc tcgagttcgc aaatgtgcta cttctgtgcc 120
 ttgtccttag ctcttctttc ttggaaatct caatggctgg ttctcctttc tgtgactcaa 180
 agtgcgcgca gaggtgtgcc aaagctgggg ttcaggacag atgcttgagg ttttgcgggg 240
 tctgctgcca gaagtgaac tgtgtc 266

<210> 14002
 <211> 100
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964944H1

<400> 14002

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 gggtttccaa ctcccctoga attatccctg taatgcagtt 100

<210> 14003
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964945H1

<400> 14003

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 tgctgttttt ttttatcaat gtctcatacc ttgcaatttt catttctttt caagtgcatt 120
 caattctcca atgaaggtag agaagatgaa cagagttagg cctcgtggct ttcaaattct 180
 atgctcttct gagcattcca gtttcaaaga tgaagatgat gctgaaaatg gagggctctga 240
 tacttctttg tttggttggt ttgttttgct 270

<210> 14004
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964946H1

<400> 14004

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 attttcaaag ggaaacccaa aaactgaagc gcgaggaagc taaaagtagc aacgagggat 120
 gagagaacaa gaggattgga ggattacgac agcgctgtta acgttggtgt tgggtgtttgt 180
 ttcttctttt ccggcggtga gctacggagt tgttcctcct cgtactctgc tcaataagct 240
 gtctcagggc agttatctca ccactcagga 270

<210> 14005
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964947H1

<400> 14005

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 cattcttcaa cagagccacc accccggaag catgagggca ggccatcgac gttcccgaca 120
 tcaaattgta ttcagtattt aaaaccacat ttggggccaat tcggggccgcg ggcacatccg 180
 gaatccaagc ggccaaaatg gacgagccag gggccacgac gtcgggcttc aatacccacg 240
 ggcactccga agacgggcct ctggaactgt a 271

<210> 14006
 <211> 265
 <212> DNA

<213> Glycine max
 <223> Clone ID: 700964921H1
 <400> 14006

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 ccctgagaag cacgatgatt atcacatggt gctcagattc ttgaaggcca ggaaatttga 180
 acttgagaaa tctaagcaaa tgtggtctga catgcttcaa tggaggaagg aatttggtgc 240
 tgacaccatc agtgaggatt ttgaa 265

<210> 14007
 <211> 192
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964882H1
 <400> 14007

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 cgtaattgtc aaccaccaca ccaaccaagc cgcgtcgttc tttttagtca ctgataagaa 120
 caaacttcca ccgtccgcgg ccacagcaac gctgtcttcc gccgtcactc tcgccgctaa 180
 acccctctca ct 192

<210> 14008
 <211> 145
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964884H1
 <400> 14008

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 aagccctagt ttcaatgcga acatcctata atcttgttct tcttcgctct cgcttccgca 120
 gctctcaciaa tttccacgca taccg 145

<210> 14009
 <211> 247
 <212> DNA

<213> Glycine max

<223> Clone ID: 700964885H1

<400> 14009

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tctttatctg atatgattct gcaacagaaa ccacgagAAC attccgcccc aaaaaaagta 120
ctccttctgg aagtaaggga gctcaacctt agaaaacaca ttgatgccac gttgggtagt 180
ggaaatctga gggaagcagt aaagctacct cctggggacg acttaaatga gtggctagct 240
gtcaaca 247

<210> 14010

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700964886H1

<400> 14010

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gggaacatgc aaaccagggc agtgtctatc ttggtccaca caatcatctt ctttggcttc 120
attaccatct ttcttggtgc tattggctaa atgcttgga actggcgagc cagtggccat 180
taagaagggt ttactggaca aaagatataa gaatcgtgag ctacagttaa tgcacttgat 240
ggat 244

<210> 14011

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700964888H1

<400> 14011

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cagctatcta ttggctttag ctcttcggaa aagaccataa ccgtgtggtg tgcctatgtc 180
accatgtgta agcagttgat ttctgatgct tgtaatttgc ttagctctat cctcatatac 240

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244

<210> 14012
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964890H1

<400> 14012

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 ggtgatgttc cgaaaaagct cactttttct tcttttttgg gtctttctaa ggggtgttgg 180
 ggaagcagga gctcgagggg gtgtgctgct tcaaatgcac ccgcaccact cgctgggggc 240
 atat 244

<210> 14013
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964891H1

<400> 14013

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 ggggtgcaggc ccggttcggg tttggcaaga agaaagccgc cgccccgaag aaagtttcca 180
 gggggtcggg ctctagctcc gataggcccc tgtggtatcc gggcgccaag gcgcccagat 240
 acctgg 246

<210> 14014
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964892H1

<400> 14014

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ttcgagtact tcaccttctt tctctctaag cgcaaacct cgtactgttt ttggcgggta 120
 aggatgtcgg ggaaaggagc gaaggggttg atcacaggca aaacctccgc cgccaacaaa 180
 gacaaggaca agaagaaacc catctcgcgt tcttctcgtg ccggccttca gttcccagtt 240
 ggtcgt 246

<210> 14015
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964893H1

<400> 14015

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 ctggatgatg ttacagAAC ccatttcgat tgttttgaga agtgcgatgt gacatctctg 180
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 aagggtg 247

<210> 14016
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964894H1

<400> 14016

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 tgtcaagatt cctgtatacg aacaattttc aacgaaactt gatttcgtct ggtggcaatg 180
 aatcgatta tgggtatttt aacaggagat catacacttc actttatatg ggaactggaa 240
 ctgtgggt 248

<210> 14017
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964895H1

<400> 14017

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 tggctcttgcg agagaaagcc atgccagaga cgaagatttt tggcatgctg tttggccaaa 120
 cactcccatt ccaagttcat tgcgagatct tctaaagcct ggccctgcaa gtgttgaaat 180
 cgatgatcaa cctatgcaaa ttgaagaaac acagtacccg aaaaccttct tctataaaga 240
 agaacttca 249

<210> 14018

<211> 68

<212> DNA

<213> Glycine max

<223> Clone ID: 700964896H1

<400> 14018

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 gtccgttg 68

<210> 14019

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 700964901H1

<400> 14019

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 aaaaatgaga gaaatcatca gcattcaat aggtcaggcc gggatccagg tcggaaactc 120
 ctgctgggaa ctctactgcc tcgaacatgg catccagccc gacggcatga tgccttctga 180
 ctccaccttc ggtgtagccc acgacgcctt caacaccttc ttcagcgaac ccggatctgg 240
 caagcacgtc ccccgtagctg tcttcgtcga 270

<210> 14020

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 700964902H1

<400> 14020

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 cccataccgt tttccttctc ctttcaaate ctcggccaca aattttggga tctttctggg 180
 cctccgaatc atggaaaagg aagagaagga accccaggtt cagaaaagtg ggggcgaaag 240
 cgaagacgt gaacccatag ggctcgttc 269

<210> 14021

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 700964903H1

<400> 14021

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 gtccataatc accccacgcc gtcatectca aacgacacc ttccgctagc aaaacgactg 120
 cggtttggtc gtcgtcttcc ccgaggcatg ctcttgggat attattattc atcatcgtaa 180
 tcacacccta cagagacgtt gactttgtgc tttttctggg aggggaacaa atggaccaag 240
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<210> 14022

<211> 91

<212> DNA

<213> Glycine max

<223> Clone ID: 700964904H1

<400> 14022

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<210> 14023

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700964906H1

<400> 14023

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gttgtgggat gataaggatc ttgaattgca ggctgatgtg gatcgctttg tggaggatgg 120
atctctagat gaaaatgttg agtccttttt gtcccatgat gacacggacc ctagagatac 180
tgttggccgt tgtatggatg taagcaaagg cttcacattt tctgatgtaa attctgtacg 240
ggcaagcaca agcaaagttt cctggt 266

<210> 14024

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700964908H1

<400> 14024

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tttaactgcc ctgactatgg cggaatattt tcgagatgtc aatgaacaag atgtacttct 120
atctatcgac aatatctttc gcttcgtcca agcaggatct gaagtatctg ccttattggg 180
tcgaatgcct tctgctgtgg gttatcaacc cactcttagt actgaaatgg gttctttaca 240
agaaagaatc acttctacca aagag 265

<210> 14025

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 700964909H1

<400> 14025

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atggccttta acaagtaaac tagaccgca aatctatggt ccacaggaat caacaataac 120
tagggaagtc attgagccac aaattatcac ttatggaaca attgaagagg cccttaaaga 180
aaagaagttg ttcattgctgg attaccatga tttattctta ccatatgtaa gcaaagtggag 240
aaaaattaag ggcaccacat tatatggatc 270

<210> 14026
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964910H1

<400> 14026

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 ctgatctcat ccccatggat ccctttgatt taatacgcga agggtttggt tgaggctgac 180
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<210> 14027
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964912H1

<400> 14027

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 cagcgtcgaa atcgtcgacg aggtcatcaa tctcgacaaa gaatggcgaa aacgtcaatt 180
 cgagttggaa aatctccgca aggaattcaa caagatcaac aaggaagtct ccaaactcaa 240
 gcgtgctggg gaggatgctt ctaagttcat t 271

<210> 14028
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964914H1

<400> 14028

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 catccagatc tgacagtaac gtctgaagag aaagtcctta atgcaattct aatgtttggc 120

<400> 14031
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 gcaaatgggt cactctaagt gggttgatct tgctatcatg tttgccatga ttgttctgta 120
 tcgagttcta ttcttggcca tcagtaagtg caaggagaaa tcaaaacaag ttagtgttgg 180
 cattaaaccc gaaactaaaa ttttctccag aatcaacatc agtgaactcc aaatgagggg 240
 aattgatgat cataatgctg tctaagcagt agttcgact 279

<210> 14032
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964917H1

<400> 14032
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 caatgtgtag catttccttg gcacaaaatt cgcccaaaga tttccttgac gcgcacaatg 120
 cagctcgtgc agaggttggt gttgagccac tcgcatggga cgacaccgtc gcagcctacg 180
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<210> 14033
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964844H1

<400> 14033
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 aaagtacaat ttggctaatt gccaaggcat atgttggtgt caatgactcc tgctatcatc 180
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 acaggcatct ta 252

<210> 14034

<211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964847H1

<400> 14034

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 tcttcagcac ttccttccgc caccttctcc cctccgatcg cagtctccgg ccgcagcaac 120
 tccgccgcgc tgccgcgcta ctccggcctc cggctccgac ccgccgctga gaccagtttc 180
 ccgactcacg ccagctcgag aaccgcttct cgcggcggac gtgtcaagtg cgacgcacga 240
 gacaccgctg ttgaagt 257

<210> 14035
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964848H1

<400> 14035

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 gggatatgaa ttacggagaa tctgaaactt tgataatggt atgacagaag tgatgaacat 120
 aataaggtat ttaatgataa tgacagcttt gtgacttttag ttaagtcgtc gtttaagaga 180
 cttcaatagc catttccgtc ggtccatctt aaaccaaaga aaggtgcctt tgacggagtt 240
 tcttttgcta tcataaa 257

<210> 14036
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964849H1

<400> 14036

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 gacaattcct caaagatttg tacgagactt gacagaaaga ccaacactca ctacacctct 180

tccccaccca catagtgaca tgccagtcac tgatttctct aagcttagca aagggaacaa 240
agaggaagtc ctca 254

<210> 14037
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700964851H1

<400> 14037

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gcatctgatt tatataacct tgtttgttca ctcttatttt tatgttatgg ctatttcata 120
tttgaggatca gcatcataag cagttgttgt ttcggaaaca caagatgaat tctgggtgggt 180
acgctgttga ggttacgggt ctctcgccaa aagccacgga caaggatgtt cgtgacttct 240
ttgcttta 248

<210> 14038
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700964852H1

<400> 14038

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tatctgggat tgaagagaaa acaatcattc aagatgaaat agcatgccaa aaggaacacg 120
atcctttcaa caaagaatct gtgcaactcg gcgctgttcc agaagtcgcc tttgtcccag 180
tgattgacaa gcaagttaat gcatcttggg aaaaagcggg acaaaataat caacttgacg 240
cttctaaaga 250

<210> 14039
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700964853H1

<400> 14039

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aatccttcag aaaattgata ctagatggat ctgccaaaga tcattttattg ttgatactgg 120
taaggtagact tctcgggaatc tcaatagagg ttttatcctg aatagtaagt taagtagcct 180
tctaattctta aaactcccca gaaattgctg agttcttctt cattgattca acaccttttg 240
tggacaa 247

<210> 14040
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700964854H1

<400> 14040

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tcttcccctg tccaagaccc tgaatttgtg gtccaagaag ttcacaggaa aatcaatgct 120
tctgtagcta gaaggaatth ggggtacttg tactgcgcaa cagggaaccc cattgatgat 180
tgctggaggt gcgacccaaa ctgggagaag aaccgccaga ggctagcgga ttgtgcgatt 240
ggtttcgg 248

<210> 14041
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700964855H1

<400> 14041

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atggagctgg tgacgatgtc aagaacaaga gtggctcctca tgaccctcac cctgggtggg 180
gtgacagttc tgaacaacac agagagtgc gaaagtgtc gcactttcta tgtgttcggg 240
gactctct 248

<210> 14042
<211> 251
<212> DNA

<213> Glycine max

<223> Clone ID: 700964856H1

<400> 14042

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accggtttgt tcaactcaaa tcgtgcaatc cttctttcaa gctcgcgatt tcctcttctg 120
gaattctcaa gatcttgata atggcaacca ctgcctgttt catcactggt agcagaaatg 180
acattcctac acatgaagct gaagttggag tagctgctaa aaggaagat gctgctcaac 240
tgcatacaatt t 251

<210> 14043

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700964858H1

<400> 14043

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gatccgtcgt cgctaaatct cttcaattcc atgcccattgt cacactcgtt gatccgaagg 120
aatattttga gattacatgg gcgagtttga ggtcaatggt tgagccatct tttgcagaga 180
ggtcagtgat caatcacaga gatcacttta ccaatggcga catcgttacg tccaatgccg 240
tcaatgt 247

<210> 14044

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700964859H1

<400> 14044

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caaccatgga ggatccaaat caagctccag aagcgtcttc tcagaagaaa atgggaagag 120
ggaagattga aatcaaacgg atcgagaaca ccaccaatag gcaagtcacc ttctgcaagc 180
gccgcaacgg tttgctgaaa aaagcttatg aattatcagt tctgtgtgat gctgaagttg 240

cccttggtgt

250

<210> 14045
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700964860H1

<400> 14045

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tatccatgaa aattaccaag ctgtctgcaa atgctttcat tcgtaagctt ctcaattcat 180

caaccagaac aatggtgctg cagctgcaac atgttctctg tgatccaaat tctgtcctaa 240

gttggttgga 250

<210> 14046
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700964862H1

<400> 14046

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ttggacacct gaattccaca gaatatttgt tgatttatgc cttggagaaa tgctgaagaa 180

tgagcccggg tcaatgcgaa ttactaaggc tggttggagg aacattgttg gattctttta 240

tgcaagaca gg 252

<210> 14047
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700964863H1

<400> 14047

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gggatggtat cacttcttct accaatacaa cccgaacggt gcagtttggg gtgacatagt 120
 ttggagacac gcagtgtcaa gggacatgat ccactggctt caccttccac tagcaatggt 180
 ggcatgatcaa tggatgaca tgcaagggtg gtggacaggc tcagccacga tcttaccaa 240
 cggtgaaatc atca 254

<210> 14048
 <211> 152
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964866H1
 <400> 14048

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 ttgaattcaa gctttttgag cacattgaac aatttggttg ctgggttgta gccctttttg 120
 gcaactaaat accaacggag ctgaccattt tt 152

<210> 14049
 <211> 247
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964867H1
 <400> 14049

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 cttggcttcg ataccaccac caccacaacc aaccaaccac cccttccaga caaaaaagtg 120
 gtgtcatcat gtgagaagaa gaagaagaaa agtgtgagtg cagaaaagaa gagtgggtggg 180
 cgagctcgga agaacgtgta cagaggaatc aggcaaaggc cgtgggggcaa gtggggccgcg 240
 gaaataa 247

<210> 14050
 <211> 249
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964869H1
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 atggttagatt tgagggtgaaa aggttccaca ttggtcaggt tcagatctca caatggggaa 120
 gtcaccagga aaatggatca aaactgtact gtttgggaaa aagtcacca aatcaaatac 180
 ttcaaaaggc agagagaagc ttgttaatca agaagaagga gttgtagtta cctccaaggt 240
 gctagaaac 249

<210> 14051
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964870H1

<400> 14051

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 agtatgcaga tggggacttg gaaagattag aacacaaact cttcattggc atgcttccaa 180
 agaatgtttc tgaagttgaa atatctgctc ttttctccaa gtatggaact ataaaggatt 240
 taaaaa 246

<210> 14052
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964872H1

<400> 14052

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 gagcaacagc cgcaggtgaa ttctcgggt ttaactcgggt accgatcggc gccgagttct 120
 tatttctcga acatcattga ccgcgagttc tacgagcagc tcttcaaccg tcctcagagt 180
 cccgaaacgg agcgagtgtt ctcacgcttc atgaacagct taaacagtga agaagaagat 240
 tcgctcc 247

<210> 14053
 <211> 249
 <212> DNA

<213> Glycine max

<223> Clone ID: 700964873H1

<400> 14053

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 accgtgttag caacagttgc tattgttgaa ggaagaacac agtcccctag actgattcct 180
 tgtttgacc aacatacctc tttttttgat ctgttactg cagtgccggt cgcagtcaca 240
 gcctacaca 249

<210> 14054

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700964874H1

<400> 14054

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 caagatctgc gttgactgct cccagaagaa cccgcagtgg gcctccgtct cctacggcgt 120
 cttcatgtgc ctcgaatgct ccggcaagca ccgtggcctc ggcgccaca tctccttcgt 180
 ccgatcggtc accatggact cctgggtccga catccagatc aagaaaatgg aagccggcgg 240
 caacgac 247

<210> 14055

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700964876H1

<400> 14055

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 tcaactgatca agcccttcct gcggatctta tcaagagagg aatggcagtg gaggatccat 180
 cctctcccta tggccttcgc cttgtgacag atgactaccc ttatgctgtt gatggactag 240

agatatg

247

<210> 14056
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700964843H1

<400> 14056

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tagtaaaaaa aagagaaggc ttggagccaa gaaaataaac acaaagcaca agtcatggaa 180
agaataatgg ttggaagtgc aagaaagggtt gctttcaacc tggtggtcac tttcggcatt 240
g 241

<210> 14057
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700964877H1

<400> 14057

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aattgtggat cttcgttcag acacagttac aaagccaact gaagcaatga gagctgctat 120
ggcaagtgct gaagttgatg acgatgttct aggctatgat ccaactgctt ttcgcttaga 180
aacagagatg gcaaagacaa tgggcaaaga agctgctctt tttgttccat ctggcactat 240
ggggaa 246

<210> 14058
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700964878H1

<400> 14058

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agccaaattc caacatgaag gtttggttct tttgctttct tcttcttagc atgactgcaa 120
tcaaccatgg caaactagac gataaaaaata tacaaaaaga aatgcatggg ccgagcgagc 180
ataaaactttc cgatcagaat aatgacaaac ctggtgctgc caaccctac aatcgtggct 240
gctccataat a 251

<210> 14059
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700964810H1

<400> 14059

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aacaaaatgg gggttcagaa gataaggggtg ggcaacccca tcgtcgaaat ggatggggat 120
gaaatgaccc gagtgatttg gaaactgata aaagataagc ttactttccc ttatttgagg 180
ctggacatta agtactttga ccttggcctt cttcatcgcg atgccactaa tgatagagct 240
actactgaaa gcgctga 257

<210> 14060
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700964811H1

<400> 14060

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tctttctact ttctgcattc tcctcctcac tcctaccttt aaccactgct caagattacg 120
ttctcgacac ggacgggtcac gcggttgaaa atcacgggtac atactatttg ctgccagcga 180
aatcaggaag cggcgggtggt ggaatagagg cagccgcaac tggcaaagaa agttgcgctc 240
tcactgtagt gcaatctc 258

<210> 14061
<211> 256
<212> DNA
<213> Glycine max

[illegible]

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gacactgttg	tgcccttgga	cactgccaca	tgcgttgata	cctagaggcc	agagctgtgt	180
acacatacca	gttttctttt	gtttttcttc	tcccctttca	tatgctgttt	ctatgttctc	240
gctctatttg	cagttc					256

<400> 14062

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acagtgtatg	gtgatcaaac	tagtacaaca	accaagaac	acttagagat	caaccttggt	120
ggactctctg	tggaacaggc	actgagtggg	aacagatcgt	tcacattaga	tcaccatgat	180
gcattcatcg	catatctgag	gaagatcaat	gacgttccca	ctgcaaagtc	tcatgccaca	240
acgaccatcc	ttttct					256

<400>	14063
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ggtaccaaga	gaagaacacc	ttgacaagct	gtgaggagac	gaggatggaa	tcagtgattt	120
gccccaaacc	tcgccgattg	ggtctcataa	accactcttc	catcaacaca	gaagtcagac	180
cctcgaggca	ccccatcatc	aggaaattct	ctgttctttt	ttcttttttg	tttttcaagc	240
aaatcggtta	caaaa					255

<210> 14064
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964815H1

<400> 14064

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 cctgagagac ttcatcacac caaacaagca atgcataatc tccaacgcca ttacgcactg 180
 gcccgcactc tcttcctgga ccaacccttc ccacgtctcc caatccctct ccggcgccac 240
 cgtctccgtc cacctcaccc c 261

<210> 14065
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964819H1

<400> 14065

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 gtaagctact ccaccacgta gaagcagatg gtgggtttgt aaaaacaaga ggagtgcagc 120
 ttatgctgaa tgggagtccc tactatgcta gtggcttcaa tgcctattgg cttatgcacc 180
 ttgcctctga tccttccac agaaacaaaa tctcatcggt atttcaacag gtttcaaatac 240
 atggactcaa catt 254

<210> 14066
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964820H1

<400> 14066

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gcaagttgtg cttagaagat taaaacatca tgcaagatga tggagattgc atttgcctgc 180
 atttcaacac taggcaaagg ctgaggaaac cagtcttggt ttctctggtc tgtttgcat 240
 aaatacagtt aat 253

<210> 14067
 <211> 253
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964821H1
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 cgccttcttc cagctcctcc catctccatc cactgtggcg gtcctcacg agtcgttctt 180
 tgagaccgac tcggctctgc agactcggcg ggtgctgttg gaagggtcga cggcgattca 240
 ggagaagacg gga 253

<210> 14068
 <211> 231
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964823H1
 <400> 14068

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 gcggcgagag cgggtcgtcg cgtgccggtc gggggacgga ttgggaacgg gcccttcggg 180
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<210> 14069
 <211> 256
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964824H1
 <400> 14069

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 tctatggaat cttggg 256

<210> 14070
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964825H1

<400> 14070

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 gatcaatttg catgcttcag tcgattcttt attgttcttt ggcgattcat cctgtaaagc 180
 ccttcataga tgcatagaat ttccgacata tatcttttta gaagcttagc taaattgtag 240
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<210> 14071
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 <212> DNA
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<223> Clone ID: 700964827H1

<400> 14071

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 gaagctgaaa ttaagtcaaa tgcctactgg ttaggattat tagctcattt acaagcttct 180
 tctgttccaa ggaaggacat atcatgtatc aaggatctaa catttctaca tgaagttgcc 240
 actactgagg atat 254

<210> 14072
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 <212> DNA

<213> Glycine max
 <223> Clone ID: 700964829H1
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 ccctgaaacg tacatcaagc cttctactga tagaccatcc at 162

<210> 14073
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964830H1
 <400> 14073
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 catcgcgagc tggacgataa caatctcaga gacgctctca aatactccgc gcagatgcta 180
 tccgagcttc gaacttgcag gctctcacct cacaaatact accaacttta tatgagagcc 240
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 <211> 262
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964831H1
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 tggatcatct taatgggaag agtgcatatg gaaagaaagg cgagttggt gggaggaaaa 120
 ttgcaaggga attgaatgat ttacaaaggg aaaatgagtc tgtcacagcc agcaataatc 180
 ttactcataa atgcatcatt aactcagaaa ggaaaaatat cgatatgact gagatggctc 240
 atctttgcgg taccaaacag cg 262

<210> 14075

053430

<400>	14075
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<210>	14076
<211>	255
<212>	DNA
<213>	Glycine max

<400>	14076
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<210>	14077
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<212>	DNA
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<400>	14077
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6409

ggccctaata a

191

<210> 14078
<211> 177
<212> DNA
<213> Glycine max

<223> Clone ID: 700964835H1

<400> 14078

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atttcccagt agagtacgca aagccaaatc cacagggaac acgttcattc aattgcaatt 120

atccatatta attaataata attcacaac tgtgctggc cagcactcca atacct 177

<210> 14079
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700964837H1

<400> 14079

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ttattgcttt tgtattggag gcattctttg ccgaaatgga acttgagtca tcagaaactt 120

gtgaaggaaa tggcaaggaa gttgaaggag ataaatatcg aaagcgatct actggcacia 180

aaacacgaag ccagagggtt gatgctcttc ttcacatcat gctgagtgtc gaattgtgtc 240

aaaatgagcc t 251

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<211> 158
<212> DNA
<213> Glycine max

<223> Clone ID: 700964838H1

<400> 14080

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caacctccgc aagttcatgg gacatgaagc aaatcagaga gtttgattgg gaagtatggt 120

gtggaagctt ttgggagcac gccctctctg ctcatatt 158

002230-034560

<210> 14081
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700964839H1

<400> 14081

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cattttcagc agcaaacactg tgctgatggg agcatgtgga tggagagtca gggtcagcaa 120
cagagctatg ccttccaaga agagtcttgg agccctgata acaactatgg ccacaaccac 180
aagcaattcc caggcatgca catgaacatg aacaacaaca acaacaacaa aaggcttggg 240
gcttttgctg c 251

<210> 14082
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700964840H1

<400> 14082

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cattctttgc caccctcaat ctctgtcctt tggcgacctc catccatcca tgaacttctc 120
cgacaacctc cttcgacatt ggagtaacac aataagatgg accagcaaaa ccacaacaac 180
actccagatg gttcaggaga ggtgcctttg aagcgtaaac gtggtcgtcc acggaaatac 240
ccaaagccag att 253

<210> 14083
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700964841H1

<400> 14083

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ttgggcacta ctgcaatcag ttacagtttt tgaaccttgg gtggtgtgaa aacgtcagtg 120

<400> 14086

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 agaagttttg gagattgtat catatatgac ttttttctct ccaacaatat cattggatat 120
 gtggagtctt tggccattga tgatggaagc actggcagat tgggcaattg atttctttcc 180
 aaatatattg gttcctttgg acaactatat ttcaagggga actgctcatt tccttacttg 240
 caaagaaccc gacta 255

<210> 14087

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700964772H1

<400> 14087

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 gtctcgagat cttgtcagat cggaacgcaa ccgcaactgc caccgagatt gctttgtgtg 120
 ttatgggcag ggaagttact ggcatacagg ttatggaaaa gaagccaaat ggtgccatag 180
 cggtttcaaa tggcagttta agtgatagaa tgcgtgtttc tcccaaaatt gcagcaatgg 240
 ttcaagcaat ggatc 255

<210> 14088

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700964773H1

<400> 14088

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 cttttttagt ttttggaactt catttgcaaa gtttaggact ttattctcaa gagcttttgg 120
 ctatggccac aaggttgtga agggtgactg cagtacttgg atctttgtgt ccttcaatgg 180
 gttggtcaca gttggttctt tcatattctt cctcttggtc ctttctggg cttatctata 240
 cgcatctccc agt 253

<210> 14089

[illegible]

<400>	14089
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<210>	14090
<211>	256
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<400> 14090

<210>	14091
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<400> 14091

64.14

002230-032200

cttaaagga aggggggtta attttggtta tttcctcatt taatcctgca tactcgtaa 240
ataattagat gtacta 256

<210> 14092
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700964782H1

<400> 14092

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gaatacagag gcaccgacgt agcgacggtc aaggtccaca atccacaatc cgcaaccgaa 120
taaccacta cccacagatt tctctctctc tctctctgtt ggattggatc ctaatatctg 180
tgttccactt tcagaggttg ctctctcatt cagcccttg ctctcttcaa atctattttc 240
ttcctctgct ctatcta 257

<210> 14093
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<212> DNA
<213> Glycine max

<223> Clone ID: 700964783H1

<400> 14093

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tgattctact cagcaatcag ctttcagcaa tcagcaatca gcaatcagca tcattacttg 120
tccttgtagc catgtcaatt tgtgggtctgt ttcaaaaacc aatatgtctt actctcttct 180
tagtgtttct ctgatcttcc tgaagtaggt aattggcagt tttgttctat tctcccagtg 240
atttataatc aaaaagc 257

<210> 14094
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700964785H1

<400> 14094

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 tcaccctcca ccattgacgc gtcctttgct tgctccgcac gtcacttcgc gttttttctca 120
 gattcactct cgccgtcgca gatcccaacc accatggatg gttacgacgc caccgtcagg 180
 ctcggcgcca tcaacctcaa gcacggtcgc gccgccgatt ttgactccgc ctcccccgac 240
 gtatccgtct cct 253

<210> 14095
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964786H1

<400> 14095

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 cgtgcggttc tcatattttg caaagtgaat ggaatagatt ttgaggagat caaagtcgat 120
 ttatccaaac gtcagcagtt atctcccgaa ttccgagcgg ttaacccttt aaggaaagtc 180
 cctgctattg ttgatggaag gttcaagcta ttgagagtc atgctattct catatatctt 240
 gcttctgcat ttccag 256

<210> 14096
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964787H1

<400> 14096

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 gccttcaatt ctcccttctg gactacaaat tctggtgctc ctgtttggaa caacaactcc 120
 tctttaaccg ttggagctag aggtccaatt ctgcttgagg attatcatct tgtggagaag 180
 cttgcaaact ttgacaggga acgtatccca gaacgtgttg tccatgccag gggagctagt 240
 gcaaagggtt t 251

<210> 14097
 <211> 250
 <212> DNA

<213> Glycine max

<223> Clone ID: 700964789H1

<400> 14097

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gatccagcag atgatcaggt tcatccgtca agaggctgaa gagaaagcta atgaaatata 180
tgttgctgct gaagaggaat tcaatattga gaaactgcaa ttgcttgaag ctgaaaaaag 240
aaagatcagg 250

<210> 14098

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700964790H1

<400> 14098

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gaactggcag aaaatgagag tggcggacca cccgttaaga agcaaagtgc cggcgagttg 120
cgtcttcaca aagatataag cgagctgaat ctacaaaaat catgtaccat gcaattcccc 180
aatggcaaag atgacctgat gaactttgaa gtttcaattc gacctgatga tggatattac 240
ttaggtggca c 251

<210> 14099

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700964792H1

<400> 14099

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ctttatatca ctgagagtga tagtgagagt ggtagctttt gtatccatga tatgaatatg 120
atgattattg atttgattat gcgtccagat tttcagttca ggtaggatca ctttgacagt 180
ttgacttgct cagcaccaat ttctggtatt actgttgtct gagttctcaa gagttctttc 240

acagaaggta g

251

<210> 14100
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700964793H1

<400> 14100

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cagaaggtta tcgtaggaac gttggtatct gtctcatgaa caatcacaaa aagattttcg 120
cggcttcgag gctcgacatt cccaatgctt ggcaaagcc tcagggtggt attgatgaag 180
gtgaggatcc aagaaatgca gctatcaggg agttacgaga agagacagga gttaattcag 240
tagaagtgat cg 252

<210> 14101
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700964795H1

<400> 14101

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ggaccagaca gagattggag agcgcggaat caacctaagt gggggtcaga agcagcgcag 120
acagcttgcc agggctgtgt atcaagactc tgatatatat cttcttgatg atgttttttag 180
tgctgttgat gcacacactg gcactgaaat attcaaggaa tgcgtgaggg gggctctgaa 240
aggcaaga 248

<210> 14102
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700964796H1

<400> 14102

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gctctagcta aaatttacc ctcaacatgt caagtgggtgc agggaaaagt ctctgcgtt 120
gactgcactc acaactatga cttatctgat attaagggtt cggtgaggtg tgatgggtgtg 180
aaaaaactgg ctttggtac tacagaaaat gatggctcct tcaagggtga tcttcccta 240
gaccacacaa aaccttctt 259

<210> 14103
<211> 261
<212> DNA
<213> Glycine max
<223> Clone ID: 700964801H1
<400> 14103

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tattccttac ctgtcaccgg ggcattgat ccctctctgc ggcattgcaa cactcttcgc 120
ctcacgcggg cagcacgtga cggtgatcac cacctcccta ctacgcccac atcctccgca 180
agtcaagccc ctccctccaa ctccacgtcg ttgactttcc cgccaaagat gtgggccttc 240
ccgacggcgt cgaaatcaag t 261

<210> 14104
<211> 248
<212> DNA
<213> Glycine max
<223> Clone ID: 700964802H1
<400> 14104

cagaagaaaa ctaccgtacc caagcctacc aacaaccaca ccctctctac atcatcctac 60
ctctgattag ctagggccac agcaccttcc tcttcacttc gttcttcagg actctacaaa 120
tgagcaacga caaggacaca cttcaacgtg gctgatctca ctatcgctct caacgaggac 180
aatacaccac accttggtcaa tgctctcaag agcaagatac agagcttggc tggacagcat 240
tctgatat 248

<210> 14105
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700964804H1

<400> 14105

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gcaaccttct tgatatgttg agaagtgctt ctggagacaa tggaggagga tctagtagta 120
catcacacgc tgattggaaa ctaaaacagg ataataaga gtttcgtgtt atgtatcgtg 180
aaggaccaca gggaactccc attcatacat tgctagttga aggctatgta gatgggcctc 240
tagatctttc 250

<210> 14106

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700964806H1

<400> 14106

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ccaccctgc cagatcccca tcacaacgca tcatggttag caccaagcct aaccagcttg 120
tttgcaaggc acagaagcaa gaggatattg atgtcagccc aatctctcgc cggttagctc 180
taaccgtgct cattgggtgct gctgctgttg gtcctaaagt ccaacctgct gatgcagctt 240
atggggaagc tgccaat 257

<210> 14107

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700964807H1

<400> 14107

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ggcgtacctg caccggcggc acatcgctca caggacatc aagccgtcga atctgcttat 120
aaactcgcgg aagcaggtga agatcgctga ctccggggtg ggtcggatac tgaatcagac 180
gatggatccg tgcaattcgt cgggtggggac gatcgcttac atgagtcggg agaggatcaa 240
tacggacata aacga 255

gctcctgtgt ctggaatttc aagcatcgaa gatgagccaa gaagaggaat tgactccaac 180
aatggccact cattatcaga ttgtgaagag agcattgttt cctctccagt cattgaccat 240
ttacctcaac ctcaacctca aac 263

<210> 14111
<211> 258
<212> DNA
<213> Glycine max
<223> Clone ID: 700964729H1
<400> 14111

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gaagtctgtg gcagatcttt atagtagttg gtctgtgctg tttcttctat attttaggtg 120
cgtggcagag aagtggtttc ggaaagggag atagcatagc attggagatt actaagacta 180
acacagaatg taatatagtt ccaaatttaa gttttgattc ccaccatggt ggagaagtta 240
acgaatttga tgaagctg 258

<210> 14112
<211> 262
<212> DNA
<213> Glycine max
<223> Clone ID: 700964730H1
<400> 14112

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aggatgtgtc gctgggagcg aacaagttcc cggagagaca gccgattggg acggcggcgc 120
agagccaaga cgacggcaag gactaccagg agccggcgcc ggcgccactg gttgaccga 180
cggagtttac gtcattgtcc ttttacagag cagggatagc agagtttgtg gccacttttc 240
tgtttctata catcactgtc tt 262

<210> 14113
<211> 263
<212> DNA
<213> Glycine max
<223> Clone ID: 700964731H1

<400> 14113
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 tgggtgtcttt gacggcatca tgcgcgttaa gccaaaccga gaagctatcg gcgtacgatg 120
 ttctgatgga gtacgggttc ccggtgggtc ttcttccaa gggagccata gggatttcgc 180
 tcaacagaga cagcggcgag ttcgcagtgt atttccaagg agcgtgcagc ttcgacatag 240
 agtcctacac gctcaagtac aaa 263

<210> 14114
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964733H1

<400> 14114
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 atctggccac tggtagctc gtgagcctta gcgagcaaca gcttgtggat tgcgatcacg 120
 tgtgtgatcc agaagaatat ggagcgtgtg actcaggctg taatgggtgg ttgatgaaca 180
 acgcatttga gtacatactt cagtctgggg gagtacagaa agaaaaggac tatccataca 240
 ccgggagaga tggcacctgc aaattt 266

<210> 14115
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964735H1

<400> 14115
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 acacctgcag ctagctgatc aagataagat catttctgca attaaagaag caggaaatgt 120
 taagaagttc tatccatctg agtttggaaa tgatgtggac cggactcatg cagttgaacc 180
 agccaagtct gcatttgcaa caaaggccaa agttcgccga gctattgagg ctgaaggaat 240
 tcccttcact tatgtgtcaa gcaa 264

<210> 14116

<211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964736H1

<400> 14116

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 gctaggggttt ccttctcact ctcccagggga ttgagtaaca tctgttcatt gatcgtgatt 120
 ggaagggttac aattcggttt atttgatggt tgcaacttcg taccagccgt tgaagtgact 180
 gtgcatgtcc gtgaactggt tttttcagaa attctattga aattcttaat gggaagaaca 240
 gttttggcac gccaaaagga tg 262

<210> 14117
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964737H1

<400> 14117

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 cggcaacacc ggcaccgccc cactcttccc tcaccgaacg agaacaaacc tccacgtggc 120
 gcgcgcgaag aagccccctca acggcgacga cgtttccgtt tacgctgagc tcctcaaagc 180
 cgaagtttcc gttttggaaa ataataagcc tctcgacgac aacgatgccg ctttgaagtt 240
 cctagagaag atagaccgtc 260

<210> 14118
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964738H1

<400> 14118

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 taaaacaaat agttcatgca gatagacatt tggaatataa taaagctgag atgaagcatt 120
 tagaaatggt caacatggta aatactcatc atgcaaccac tggttataag tgtttgaagt 180

tgaaatggag gaaatttggc cacttggctg gtcaagttgg tggagcaaaa ggtatatttt 240
gtgggttgtt tggacttgaa g 261

<210> 14119
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700964739H1

<400> 14119

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ccttgaacgc gatcgtcgaa tgaaaatgaa aaagaaacga aaggaaagcg aggccagtgg 120
acggtcgaac ttgccggatg agatttcgaa gtcgcattac tcccttgagc ggcgttcgcg 180
gttgatcaaa cgggtgcaggg aagacggcgt cgtggcgacg gtgccgccgt cacgcggcgc 240
gtcgttattc ctaacgccgt 260

<210> 14120
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700964740H1

<400> 14120

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aacccttctc gttttctctc tctaattgca gatcaggccg caccaaccgt tgcggttgtg 120
gattcggttg gggttcggag tcgccatggc ttccggttcg tcttcgtcct ccaagctatg 180
cttcaattct gactgcaaag aattgaagtc cgaaagacct aagaaagggt ggagactccg 240
cagcggagaa ctagcaga 258

<210> 14121
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700964744H1

<400> 14121

cagtgggtgga ggctc

255

<210> 14127
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700964756H1

<400> 14127

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ctccagaaca gcaagggaga atcaattcct catcgctgca attctcatct ttcactctct 120
agattctcat ctatctttct tccaacctct tctcttctat acccttcaga aaaaaataaa 180
atagaaacca tagcttcaga ttattctagc tcttcatttt ttttcottgt tcaatattat 240
gctgtaaaat tctcaaact 259

<210> 14128
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700964758H1

<400> 14128

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attctcgga tcgaagagaa gaataatcct gtgagcgagg acacttgta gaaagtgggt 120
gaaaatctag cctcgtcttc tcctctcaag gatttgttct ataccttggt aaggccattt 180
taaaatgcaa tgtcaatgga aacgttttca aggaaatgcc aactcttggt gcagatgggtc 240
atgatgcact cactg 255

<210> 14129
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700964760H1

<400> 14129

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gactcttgca ggcagaggag gaagcgctta tggtgcagca gatatgtggcg agcgaaaatc 120
 ctcgagaatt tgatagtaga gtacggcccc acgttagtca agtccgcatg tatgaggatg 180
 caacgcggca ggaggctgct cggaagtccg ttcctatgga agagctcgag gagaaagctt 240
 tgggtctcttt ggccaa 256

<210> 14130
 <211> 259
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964762H1
 <400> 14130

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 ccctgccatg gtcattgggag cctttggcca cttcgaaccg gtctccaaat gcagcaccga 120
 gaaccggctc aaccaaaccg tggcctcgga cttggacggc accctctctg tgtccccag 180
 cgcatttctc tactacatgc tggtcgccat cgaagcggc agcttctctc gtggccttgt 240
 cctccttgcc tccgtccct 259

<210> 14131
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964763H1
 <400> 14131

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 aatatctttg aattgaagaa aacttgaaat cgaattgtga aacagaaaat aaaccaaagg 120
 aaatttttac tgattgaatt gcagagattg gaaaaatggc gttgagtatg actcaacaga 180
 tcgggaccct agctggtgcg acggtgccgg attcctcggc cggagaatcg accgcggcgg 240
 tgagtgccgc cgcggtgtgg aa 262

<210> 14132
 <211> 233
 <212> DNA
 <213> Glycine max

[illegible]

ctccaaataa ggagactttg tccagacact catttttagg accaaatggc cttcgggggcc 60
aatggccttg acctagtgcg gaaataaagg ttcaatatcc aagcagtggg gagctcacac 120
aggccaagga ttcaagcccg aatcaggctg ggctatatga tcttgtggca attanagatg 180
gcatcaagg accagttaca tccacaatgg actcagttct ctctttggat gat 233

<223> Clone ID: 700964767H1

cgaggcgaag agaagagaaa aattaagatg gaggggaagg agcaggatgt gtcgctggga 60
gcgaacaagt tcccggagag acagccgatt gggacggcgg cgcagagcca agacgacggc 120
aaggactacc aggagccggc gccggcgcca ctggttgacc cgacggagtt tacgtcatgg 180
tccttttaca gagcagggat agcagagttt gtggccactt ttctgtttct atacatcact 240
gtcttaaccg tcatgggagt 260

<223> Clone ID: 700964724H1

gagcatacga	aggtaccaa	gacgaggaga	caggtgaaag	ggcttctttt	gatctcaaca	60
agggcatattc	aagctgtgac	ctttttcttc	taagaacctc	cagagagctt	gaaggagact	120
ggttggatta	tcttgctggg	aattacaagg	ttcctgtggg	tccagttggg	ttgcttccac	180
catccatgca	gataaggggac	gttgaagagg	aagacaataa	ccctgattgg	gtcagaatca	240
aggatcggtt	agacacacaa	ga				262

<210> 14135
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700964687H1

<400> 14135

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tgtgaaactt tactactcat ttcaggatgc tgagtacttg tatttaatta tggagtatct 120
gcctgggggt gatattatga ctttctgat gaggaagac acgttaagtg aaaatgttgc 180
tagattttac attgcacaaa gtgttctggc catagaatct attcacaac acaactacat 240
tcacagagat attaaa 256

<210> 14136
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700964691H1

<400> 14136

tacaaacatg gcaatgaaga agttcttctg ggttgttctg tccctttctt tggctccttg 60
agtggccaat agctttgatt ttcacgacaa ggatttggag tccgagga a gcctgtggga 120
cttgtacgag agatggagga gtcaccacac ggtttcgcga accttgggtga caagcacaag 180
cggtttaacg tgttcaaagc gaatgtgatg catgtccata acaccaaca aatggataag 240
ccttacaagc tg 252

<210> 14137
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700964693H1

<400> 14137

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gctgctactc atgttggcat gctccatcgt gcatgttctt cgttcactac aagcaagaat 120
gagaagaaaa tcaaactaca atcttcacc aggacctct cttctcacca tcattagaaa 180

ctctaatacaa ctctataaaa agccacagca gacaatggcc aagcttgcca aaacctatgg 240
 ccccataatg cgt 253

<210> 14138
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964695H1

<400> 14138

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 agatcggcaa tggcggagac cgagacgttt gctttccagg ctgagatcaa ccagctcctc 120
 agtctcatca tcaacacctt ctactccaac aaggaaatct tccttcgtga actcatcagc 180
 aacgcctctg atgcttttga caagattaga tttgagagtt tgacggacaa gagcaagctc 240
 gatgctcagc cagagttggt 260

<210> 14139
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964696H1

<400> 14139

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 agcttttttt gttgaggtga aagtgaatg gttggcaagg ataatctgag ggctgaggac 120
 ttgaacttgt gctttaagaa gcttatgatg gtggccggga gtgggaacag tgagaaaggg 180
 gtgaacttga aggttggggg gatcaccgag tggaaggata ttctgtgga gcttctgatg 240
 caaattctgt cccttgtgg 259

<210> 14140
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964702H1

<400> 14140

gcacggtggg gctgataaat ttaccctga caaggggact gactggttga ccttgaattc 60
 aggetcaact ccaaaccctt acggtctccc tgttggtgt gaatatttcc tagtgacagt 120
 agccatgtta cctgatacca ccattcattc atcctctcct tcctgaccc gcttcatccc 180
 tggcagatta gacgtgatgg aagaatttaa ttgtacataa actacattca aaatccaaat 240
 gctcttttct tatggtcggt taaccatttg 270

<210> 14141
 <211> 272
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964703H1
 <400> 14141

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 atgaataaaa taatcattca ctctgtttct attcttcttt ctaccatagc ataactatga 120
 tatgaacacc atataataat taacaacaat aatttaataa tactctcttc attgtaaatt 180
 ccattctcac ttcacttctc ttctctgttc tgtggagtat ttaatcattt cgtaacaaca 240
 tacttttagtt ttcattctct caaatttttt tt 272

<210> 14142
 <211> 266
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964704H1
 <400> 14142

caggtattgg caaacagaaa caccctttct agcataggga tttgatctct ccaccttggg 60
 gaaagccttg tgaccataa ggctttttaca gaaggtggga ttttgactag ctgggtgttt 120
 ggctgttgag tttatggagg gccaaagttcc ttgttgaaca gtgtttgtgt tgccctttatc 180
 tgcagctttt aattgaacca atcctaccct ctttgtttcc atatgaaaag atcggttttt 240
 tgtgattcct ccgctcattg ttgttg 266

<210> 14143
 <211> 265

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: 700964705H1

 <400> 14143

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 gcggtgtgaa ttactggata aatatttgaa gaaactcatg caactaccaa cagtttcgga 120
 atcaattgaa gtatgggact ttctcagtgt tgattctcag acgtacatat tctcaaattc 180
 tttttctatc atggaaacat tatcagttgg cttgaatgcc aaaccatttc agaagactan 240
 aaacacttcg aacttctctg cacct 265

 <210> 14144
 <211> 264
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700964706H1

 <400> 14144

 aaaattagga gtagggtttt gctaccaaaa cttagcaaaa cagacagcga tcagccttat 60
 cagcttagaa gtcattcattt tgaatacttc taactgaaaa aatgtaaata gtataggaaa 120
 aataggtttt cccgcaaata tgtgtttgcc attaaagaaa ttaagggttc ttttcccctt 180
 gttttctggt ttttctttct tttttctatg tactgatgag agaaagaatt agctagataa 240
 agtagtatgt gtatgactaa ggca 264

 <210> 14145
 <211> 265
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700964708H1

 <400> 14145

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 gccttagggg tttcgcagtg tctggaaact ccgcgttcaa aatgaacctc agcgagtacc 120
 tcgtcactct ggagaaaccc ctcgcatcc gattcgcgt aacttctgat ggcagaatca 180

caaagtgc ggtgcatggc caatacttgg tcacctacca ctattgagtg gttcagagac 60
acctgatagg gttttgggtg ctttggtga taagtatgga cccatattca ccatcaacta 120
tggtgtcaaa aaggctttgg taatcagcaa ctgggaaatt gctaaggaat gttcaccaa 180
aaacgacatc gtcgtttcgt ctcgccccaa gcttcttgcc attgaactca tgtgctacaa 240
ccaagccatg tttgggttg cac 263

<210> 14149
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700964712H1

<400> 14149

agccgctatt ctactcgcaa gcaaatacaga acaagagaag agaatggcag gagcagaggg 60
gctaaacaga gaacagtagc tgtaccttgc gaagctgtcg gagcaggcgg agcggtagca 120
agagatggtg gagttcatgc agaaggtggt ggtgggggtgg acgccggcgt cggagctcac 180
ggtggaggag cgcaacctcc tctcgggtggc ctacaagaac gtgatcgggt ctctgcgtgc 240
cgcggtggcg atcgtgtcct cc 262

<210> 14150
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700964713H1

<400> 14150

ctcagctgtg caagttgatg tttctgggaa ccgcaaggct gttgttattc atgtccctta 60
cagattaagg aaaggtttcc gtaagattca tgtcaggctt gtcagggagc ttgagaaaaa 120
gtttagtggc aaggatgtaa tcttggttgc caccgaagg attttgaggc caccaaagaa 180
gggttctgct gtcagcgtc ctcgtagtcg cactcttact gctgttcatg aagcaatgct 240
ggaggatggt gtattgcctg c 261

<210> 14151
<211> 266
<212> DNA

<213> Glycine max

<223> Clone ID: 700964715H1

<400> 14151

aacgaggttt taacgctatc atatcatctg tcctctttct tctctctgga tttttctcca 60
 tcatttcagg gctttctttc ttctcttttg cctcccatat tccattctcc tcaaaatata 120
 tctacatttt cctctctacc ccaacaaaat tccaaaaatt tcccctccta tctccttttc 180
 acgtcactta ccacaactgg gatgctccac tttcttaagg attatttggt aactgagtcc 240
 taagtgtaat tgagatggac ggtgat 266

<210> 14152

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700964716H1

<400> 14152

atggatcttc ttgacatcga ctccattgcc gctgccataa aggggtgttc cggcgtaatc 60
 caccttgcat gtcctaacaat cattgggtcaa gtcgaagatc ccgagaaaca gatattggaa 120
 ccggcgataa aaggaacggt taatgtgttg aaggcggcga aggaagcagg ggtggagcgc 180
 gtgggtggcga cttcatcgat ttcgtcgatt atgccaaagtc ctaattggcc agctgataag 240
 attaagggag aagagtgttg gacgga 266

<210> 14153

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700964717H1

<400> 14153

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 ttggttgggt tgaatcccgg ggttgaagcg ttgcagacat cacggctatt ctaagagtgt 120
 ctcgctccct cattcatgtc cgatctgtac gacggaggac gggtagttgc gtaactgccg 180
 ttaacccttc gccgcacggt gggcgtgggt ctttgccttc tgaaggtggg agcccttcag 240

acttgctctt cctcgctggt ggtggt

266

<210> 14154

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700964719H1

<400> 14154

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actgactatg gtgcatacac ttatgagaat cttgagagag agccttactg gccatcagag 120

aagcttaaga tttccatcac tgggtgctggg gggttttatcg cgtcacacat agctcggcgc 180

ctcaagacag aggggcatta cattattgct tctgattgga agaaaaatga gcacatgact 240

gaggacatgt tctgtgatga attccat 267

<210> 14155

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700964721H1

<400> 14155

gataatttta taaagagccc ctaacggttt tggtggagtg agatcaagga aacagagaaa 60

aaatggcatc ctcaagagct tgtaccaaac ccatcatctt cctctctgcc ttcaccaagt 120

caaagttctc tcataaatat catgtctcct tcataaacac cacctcccac atacccatct 180

acccaaagct ctctcagcaa cgttccttgg tggtaacaa cgtattgaaa acagttgagc 240

cgacagaaaag ctctttgcgg agt 263

<210> 14156

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700964722H1

<400> 14156

ggagttttca gtgaataggg aaatgtcttt ccacaatcga gcatttttga tggggaagag 60

002220"ETTES60

tectgaggggt ttgaatgatg gtgacatgac aaaggattct tctagaattg agtccaagcg 120
 tgctcatcag tggttcatgg atgaccctga agtggatatg tttcccaata agaaacaagc 180
 cgtagaggct ccgaacaatt tgttatctgg aatgctcaac tccaatattt ctttgtgggg 240
 aaattcctca ggatttcact c 261

<210> 14157
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964723H1

<400> 14157

ctcctgcccc ctgaagtcga acccctaattg gcttctcaag ttcttcttca acaggcactg 60
 tttgccccca agctaagttt cccttcttct tctcgtaacg tcgcgtaaat ttctaggggt 120
 ccttccaccc caatttcattg gcgttgcaact cctctcattg ctaagcctag tttcgctgtg 180
 agagctgact ccaacgctga aggcgctggg gaagccaccg aggatgttcc ttcgtataat 240
 gttgatgaag tttcggaagg c 261

<210> 14158
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964686H1

<400> 14158

gcggtcggtg acggcaaaga gagacacaaa cgtaatctgt gagtttggaa cattgattcg 60
 ttgtttcttc tgcaaaatca aatcctcatt gtgattgttg atgaacaatt gaagtatccc 120
 tccgatttga agattccggt gacggcgagc catggccacc ggcggcgacg gtgacacttc 180
 caaacaagag ctcttccagc tcatacaacg cttcggagct tacgtcactt tcaagatctc 240
 caatctcttc cctctctct 259

<210> 14159
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964657H1

<400> 14159

gtgaattatc gattccaata ttgaaatfff ttgatataa cgaaaaata cggaccatct 60
catcatctac gttttgcaa ttgagaaatc ctaatcctat ttttcgattt gaacccatca 120
ccaatagaat acctagatta tagatatgaa agaataatfff ttgtaaaagt aattattgat 180
aatttgtaat aaaagactcg actcttacta caaatccatt ttcgaaactt atcttatata 240
tctctcaca aaaatttaat tt 262

<210> 14160

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700964658H1

<400> 14160

caccgtacaa catatfffgg aagtagagat catggagaag aaaaaagata caattataaa 60
gacagatcct taaatgcagc tgcctacaag gatttgataa attcatactt gaagaatatt 120
aatactagac caaccaatga agaaccagct attgctgacc agtggaagca aacggaaaca 180
ccaagcagca ttggggcaaaa gacagaaact gaggtgctcc gcaaagagga ggcggaagaa 240
gaatctgaaa ttgatatgct g 261

<210> 14161

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700964659H1

<400> 14161

ctctctccct ctccctctcc ctccaaatff tctttcattc tcacgcgccg ccgtgggtttc 60
cgccggcggc tactccctat ccacgcgcga tccatccgc ttcctctctc tcgctttttct 120
cacaaaacaa aaaaaattaa aaatffctcc gaagactgtg tattatcgtt atcgatcact 180
gagttaggtt ttgctgttct tctaggggtt ttattgtgtc caataacaag aggaggggga 240
agag 244

002230" E F F E S 60

<210> 14162
<211> 260
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700964660H1

<400> 14162

gaaatttcca aattctcaat tgtttcttcc attcttggtg ttgttggttct tcgcgataac 60
tcccttttcgc gggttcagggc agcaaacgga ttggaacatc gaagagactc aacatggaaa 120
tggttggttcgc cgcagagttc ttctgagttt caaagagaag ccctcaggaa gtaacgttac 180
ctttgaatgt actccttcgg gtccttggtg gcctgtctn ctatctgaga aggttccttt 240
tttttttaaa cccctcaaatt 260

<210> 14163
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700964661H1

<400> 14163

cccaatctca aagttcctac aaaccccaga aggtggatga aggtgaagat ggatggcaga 60
ctgttggttag aaagccttca aggcattcac ataaggttca aaaggacaac tggaacagct 120
ataaacgacc tgctgatgag caagaatact ctaatgaggt tgaagttggt gctgatgtgg 180
agccctcaga agatgaactt gctgatctgt caagagcttg tgaaaaactc tgggctcttg 240
atttaaactcg tttggtta 257

<210> 14164
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 700964663H1

<400> 14164

gaagaaatca accgaaggtt ccaatcaatt ccatatgtgg ctgcactctt cagtgcaatg 60
ctttggatct tttatgccta tgtgaagacc ggagaaacgc ttcttatcac catcaatgca 120

ttcggttgcg tgattgagac aatttacctt gccgtattta tcacttactg cccgaagaaa 180
 gctaggatgt cgacattgag gatgattggt ttgttaaatt ttgggggatt ttgcacaatt 240
 gtcctcttaa cccacctact agca 264

<210> 14165
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964664H1

<400> 14165

attcagctcg ataaaaacac aaaaagaccc acagagagga acatggcatg tccagcaatg 60
 gcaaattggga acgggtcatt gaagaacttg aagctaaatg acaccaaggg aaagaccatc 120
 acttgcaaag ctgccgtggt atatggctct ggagagccct ttgtggtgga aaacattctt 180
 gttcctcttc ctcagaaaat ggaggttcga atcaagatcc tctacacttc catttgtcac 240
 accgatctta gcgcatggcg aggcgtgaac gaggtca 278

<210> 14166
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964665H1

<400> 14166

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 atggcagcag cctcggcctc atccaccatg atatcaacac cagccttatc tccaagcaca 120
 agcatccaaa agcaccatca tttgaagcca tccaacgtgt gctttcaagg ccttagaccc 180
 ctcacaaggt tcacaaccag agtgagcagc accaccaaaa gggttattcc aaaggggtggt 240
 gtcggtgtta gagctgaact caactcag 268

<210> 14167
 <211> 258
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700964667H1

<400> 14167

gggatgcttc aggttgggca agcaatggtg gcaaatatag agcacattga acgtggggtc 60
 cctgnggtgc tgagttctct gacctgggtcc tgcattggtg tgcagttgat cccattgagc 120
 atgtggccaa gtgtgacagt gccctaggtt ctgaagaatt tccctctggt gtcacccaag 180
 tacagatgac caaaatgaga aacttcaggt tgaggcacat gacatattct tactgctatg 240
 acactgttag atacaaag 258

<210> 14168

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700964668H1

<400> 14168

cgcttttgtc aaagagtata ttgctgaaag caagcctctt ggggggttaa tatttttgc 60
 tccccgaatg ttcagttttg agaacaaaga tgggtatggga agtaatcatc aagatgagag 120
 taaagaaccg ctgaagaatg tattggatga acttgaaaaa atacttatac atgccaaactt 180
 accttatect gtgtattttg cattcgagga tgatagcatt gatgctgtgt taactgatat 240
 caagaagaat gatgtcactg gt 262

<210> 14169

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700964669H1

<400> 14169

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 gttctcgaga atttaattcc tgggtgcgaaa ggaaaggagc cactgttagt cattgatggc 120
 actattgagt acttgaaaat tttgatgtcc caaactgggt ctcttggggg gaaatatcac 180
 taagtagtac tcacagtcac agccactgat gttacagtat attgggtgaa ggacaattca 240
 tggtgaaaag atgtagctc 259

<210> 14170
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964670H1

<400> 14170

tgatcagtgc agagctggac tcatgaccct ttccatgtga tgagacgtga caatcagaac 60
 tgaagataga gactgaggaa aaccagtagc tagtggttga gagtcaagag tgatggatat 120
 ctccgacatc aagtcaccag cagaaggctc ccaacaaggg acaccagggg attcactgcg 180
 tagaaagaag ctagccatat acctcatgtg agtctgagga tagaaggatg gcctcaggtc 240
 gtgggtacac agcagga 257

<210> 14171
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964672H1

<400> 14171

gaatgattaa cggtaacgga agaaacgaga tctcgtcgtt tcagtcgtta tctgctcagc 60
 tctggagagc ggtgacacgt gcgaggaaat tcaacgacct ggccaaaacg tcgacgtttc 120
 ggatggcggg gaattgccgc caccgtctgg agccgaagat ggacgcgttc tacttcggca 180
 atgcgattca gagcatcccc acggtcgcga ccgtcggaga cattctctcg cgcgatctgc 240
 gcttctgcgc agatcttctg 260

<210> 14172
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964673H1

<400> 14172

atgagaatga tctgaaatag cttttggggg accagggagt gactaacatt ctggatttgc 60
 attctttccc cagtttacta gttatttcct aaatatcaat gcttggttatt ccgtgtgtca 120

002260"EFFE560

atcttcttgg gcaatagcag tgtttgtttg ttctctatat catacatttg acttcatttg 180
tactaggaag aagaattgag aaaaggggaa ttggaagcag atgcagatag gatgatgaga 240
gagtacagag ctcaactag 259

<210> 14173
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700964674H1

<400> 14173

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tcacctctct tgttctcggt cccccacccc actccctcat ttctcttctt ctacccccat 120
ttttctctaa ccaccctca cacacttcac ttacacatag agagagagaa agttcggtgc 180
ttttgtatag aatcatcacc ccattaccct gcattcacca ttcatgcat tgattctatc 240
tgggatctct ctcaaaagaa a 261

<210> 14174
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700964675H1

<400> 14174

ttttctcttt tcgcagctca aactcaaate cccatctatt ctctctccgt acttgatgtc 60
agttttgttc tcaatcattc gatctactct tagactgggc aggacagtag cacataatct 120
tcttctataa catcgaccgg ggtcgctctc tcgataaatg ctacctctgc gtccacaatc 180
acaggttgga gcacaaaaaa catcgctgtc tcttgtttcc tcagactccc tctgtctcc 240
tgatgaacct aggtcaaa 258

<210> 14175
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700964676H1

<400> 14175
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 aatccccgcta gtggacatgg ccagactett cgccttgac gacgtcgacg tcaccatcat 120
 caccaccgca cataacgcca ccgttttcca aaagtccatc gatttagatg cgagtcgcgg 180
 tcgccccatc agaacgcacg ttgtcaactt ccccgccgca caagtgggtc tccccgttgg 240
 gatcgaagcc ttcaacgt 258

<210> 14176
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964677H1

<400> 14176
 cacaaataat gatattagtc ctgctgttat accttcttcg gtgagcattt tggaagcccg 60
 gagttgtcga atatgtggaa cgcaagttga agctggatct tgtgatcctt ctgcggtggc 120
 tgtaggatcg atattgggct ccgtatctaa tcttcgtaaa gatttatcgc tcctttcagc 180
 tcctctctaaa actggaagga gtgtgcaatg ggactctgac atgtcatcac tgccgtgtgg 240

<210> 14177
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964678H1

<400> 14177
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 agattctcaa ttcgttattg tttttgggtc acttggttca tattcaagcc caattttggt 120
 gtctcactta ttggttttcc aattggagtg attaaaaagt tgattttggg aaatgggtat 180
 gtgaagtttg gttttttgat ttctgggtct tgaaattgag gtaaaaaagt tgtcaaattg 240
 gagagaaaat tcgggggt 257

<210> 14178
 <211> 262
 <212> DNA

<213> Glycine max

<223> Clone ID: 700964679H1

<400> 14178

gatcaacttt gtttaggaat ttacacttc aagaaagaaa ttcatcctt ctctgtagat 60
aattccatga cttgatagtt gatacttatt gatcaccagt ctgctgacta agaaatgccc 120
tggaacagcct ttttgtaaag ccacatcatt accaaaaacc ttctctcaa cctctctgaa 180
ctttacacag gaagttcttt tccaagccat tttttcttga ttgggttaac taaatttcaa 240
ataaaaatga taattcctac aa 262

<210> 14179

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700964680H1

<400> 14179

ctcgagccgc tcgagccgta ccaatcacta cataaactct tcatacttca caacacaaca 60
caacacacac aaatcttctt tcaaggtttt tttttttttt tttaaaaaat ttctcatcgt 120
atctgaaaca acgaatgatc catggcccct tcattcgaca caagtctca tacggtatgc 180
gtaatggatg cttcggggcca cttggggtta agcctggtcc aaagactcct ccaaaggggc 240
tacaccgttc atgcctccgt tcaa 264

<210> 14180

<211> 282

<212> DNA

<213> Glycine max

<223> Clone ID: 700964681H1

<400> 14180

gctcaggttc ggctctgagg ctttaattgg tataggcgtg ccaaggtctt gttaattttg 60
agcgtaaagt gctgcaacta atcagatccc aagaccttgg cctaccttgc catacagaaa 120
aaaaaaaaagc aaaaaataaaa gccaaaggttt ggagccaaca aaaataaaca caaagcacaa 180
gtcatgcaaa gaataatggg tggaagtgca ccaaaggttg ctttcaccct cttggccact 240

ttcgccattg tcattccatg ccttgaggct ggcattgctg ag

282

<210> 14181
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700964683H1

<400> 14181

gaaagggatga gagagaaaga agaaggaaag gaaagatgga tggttctggg cagcagcagt 60

tccagctcac ccgcttaggt cggatctatt ttctgccact cttcactttc ctccttcggt 120

ttcgtcagaa gccacttgga actccaacac ctttccatca tccaagtaa cacacaacac 180

aacacaacac aacacaacac agcaacacca acttcctctt tctttctttt ctcaaacaca 240

taaaaccata actagtcc 258

<210> 14182
<211> 99
<212> DNA
<213> Glycine max

<223> Clone ID: 700964684H1

<400> 14182

gcagagcaaa gcagcagtaa tgaagcgatt attgattagt acaaagcaca agagaaaaac 60

aagggatctt ggggggcccc tcaccacccc tggggcttt 99

<210> 14183
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700964656H1

<400> 14183

ctggatattt tgtgggctaa aagttgcgag gggttgcaat gggtaaaatc agtagagcgt 60

gaagaaaaag tgggtcaat agtatgttca aatgtatatc acttcagtgt caatggttgc 120

aacctgtatg atgatttttt ttcaacaggt ttcgtgcagc ttgatcatgt gaaaacttta 180

agcctaaggg acaataattt cacattcctt cctgatagca ttcgagaatt gcaattttta 240

agaaaacttg atgtgagtgg tt

262

<210> 14184
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 700964622H1

<400> 14184

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aaaaggcagg gtcattctca gcttctctca ctttgatgca acctttaaat tagtccaatt 120
tcaattattc aaagacagtc ccacccactt cccatctttc tctcttcttt tctgtgcagt 180
tgaggaaaaa aaactatgct ccaatccaac aacaagcaaa gaagcttctc ctcacttttc 240
ttctttatct tttctctcta agccttttgt 270

<210> 14185
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 700964623H1

<400> 14185

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gtatctcaat tgggggtgtga catttatgac ggaagtttga tcctccgcca agctaccctt 120
tcttgtacca aggtatatat attgaaaaaa tcaatctaca taaaatgtaa tatatcatta 180
ttttactcct ccaaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaagaa 240
aaaaaaaaaa aaaaaaaggg ggggggcccc 270

<210> 14186
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 700964624H1

<400> 14186

aaactttag cctctcatgg aggctgataa tggaactaca ctcaatgtgt tgatgaaagc 60

atggactaaa aacgagctta gagagtggaa gccctgtgcc aacgcaagtc ttcttgaac 120
 agaattgcca aagtcaaagtg ggttccttat aattgaagca aatggtggat tgaatcagca 180
 acgcttgctg atatgtgatg cagttgctgt ggctggacta ctaaagcaa ctcttcttat 240
 tcctatattt catttaaata gtgtatggc 269

<210> 14187
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964625H1

<400> 14187

ggagtgtcgg ctatTTTTca tttgctttgt gggatgctcg tacaagagag ctactgaaag 60
 ttttcaattc agatggacag attgagaatc ggttggatgt gtcttcaatt caagactttt 120
 cagtggagct tatttcaagt tcaaggaaag acaaaacaca aagttccatt gggttctttc 180
 agcgttcacg taatgccata atgggggcag cagatgctgt tcgtcgagtt gcagcaaagg 240
 gaggcttttg ggatgataac cggagaa 267

<210> 14188
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964626H1

<400> 14188

gtaagattaa acacaaaaa gatccagatt ctcttggctt tactatgaac tatgaagga 60
 gcttgaagtg atgttcggat aaaaggttta ggtagtggcc aaccttaaca aatcaaaaga 120
 agttagcaat tgataaaaaa aactcacaga tgcacatca acttgctcta cctaccacct 180
 tattttcggc cttgtgagga acaaaggtc taaataaata gccttgtata acgactctaa 240
 ttaactcacc ctttttgtca aaact 265

<210> 14189
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964628H1

<400> 14189

cttgaaagcg agaacaccct tgtttgtttt agctcctaag ttggaagctt gtagattgat 60
tttctactgcc aagcaaaaga aagtgaggga atctaaccct taattgaaca caatgagttc 120
attttacatg tctctgaacc cttcaatttc tcaatcgtgt tacaaacca agcaattttt 180
caatttgag agagagagta ctttggtggg aagaagtcct gttattcaga ttagatgccg 240
gagggttgtg agtgcgtgtc tta 263

<210> 14190

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700964629H1

<400> 14190

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atgctcagat ctctccactc cgccgccacc cgcggcgctt ctcatctctt ccgccgtggg 120
tacgcctccg agccggtgcc ggagcgcaag gtagccgttc tcggcgccgc cggcgaggat 180
cgggcagcct ctctcccttc tcatgaagct caatcccctc gtttcgagcc tctcccttta 240
cgatatcgcc ggaactcccg gcgtcgc 267

<210> 14191

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700964630H1

<400> 14191

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acttgaaat aagtcagctc ttactggtgg cagtgggaag gttgtggata gtggcccaa 120
tgatcatata tttatatact actctgatca tggcgggccg ggagtgctag ggatgcctac 180
taatccatac atgtatgcat ccgatctgat tgaagtcttg aagaagaagc atgcttctgg 240
aacttataaa agcctagtat tttatc 266

<210> 14192
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 700964631H1

<400> 14192

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gtattaagga accttctgct ttccatgcct cagcgtaaaa taatattcac caatgcagat 120
catgcacatg cagttaaagt tctcaacaga ttgggtttgg aagattgttt tgagggcatc 180
atatgctttg aaacgcttaa tcttcccaaa caaatcaatt gcatggatgt accaaatgat 240
aatcatgtgc tcacagattt aacagaaaat 270

<210> 14193
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 700964632H1

<400> 14193

gctcatcaca gccgatetta catcaattat tgttcaattg atctctactg ctggtagtct 60
tctccctctt gttaggcaca ccttcacaaa cgcaaattccc ttggttggcc agcttgacca 120
gcttcatggg attaacctcc cttttgaatc agaaccaagt agtgggtatta ggccacaaaa 180
taacagtgga aataaactgt ttgatcagtc cattcagaat gatctaccaa ataaattgga 240
aatggagcaa aactacaata tggaagagca tg 272

<210> 14194
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 700964633H1

<400> 14194

ggcctagcca gctagcgctt cttctctcgc attcogtggg gatctagtgc tgccaaacct 60
cgctgaaaat tagggtttcg tttcggaggt agacgaagat gttcggaagg gcaccgaaga 120

aaagcgacag caccaggtac tacgaaatcc tcggcgtttc gaagaacgct tcgccggatg 180
 atttaaagaa ggcttacaag aaagccgcca ttaagaacca ccctgacaaa ggcggtgatc 240
 ctgagaagtt caaagagctt gctcaagcct atga 274

<210> 14195
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964635H1

<400> 14195

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 atctggccac tggcgagctc gtgagcctta gcgagcaaca gcttgtggat tgcgatcacg 120
 tgtgtgatcc agaagaatat ggagcgtgtg actcagactg tcatgggtggg ttgattaaca 180
 acgcatttga gtacatactt cagtctgtgg gagtacagaa agatgaggac tatccataca 240
 ccgggagaga tggcacctgc aaat 264

<210> 14196
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964637H1

<400> 14196

cagctatcta gcttgttctc ttttattttt tttcggttca ccggcggcat ggggaactgc 60
 aacgcctgcg ttcgagtcga tgacgtggca gactcaaacc gcggcaaaaa gaataagaaa 120
 accaaaccga acccctacgc ggaggaagag atacgctccg gcgttccgat ccgtgtgctg 180
 aaggacgtga cgtcacggag cctcatcggc gacaagtacg tgataggccg ggagctaggt 240
 cgtggcgagt tctggataac g 261

<210> 14197
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964639H1

<211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964648H1

<400> 14200

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 caaatctact agggattctc attcgatgcg attcggccgg aagctttcgt tttgcggatt 120
 tttttaatta ttatttttcc tggctatcag gaaagttgaa aaaaagatgg accatgacaa 180
 gactggatgc caagctcccc cagaagggtcc tatattgtgc atcaacaact gcggattttt 240
 tggaagtgca gctaccttga gcatgtg 267

<210> 14201
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964649H1

<400> 14201

gaagcaggaa caagcagcaa tggcgccgaa tgtacacacg caaggtttagc agaaacccccg 60
 aattgataag gggaattgga aagtactcga ggtcgcagat gtaccacaag aggggcattt 120
 gggctatcaa ggccaaaaat ggtggcgttt tacctcgcca cgaccctaga cccaaacctg 180
 aaacacccgc tgaaaaacca cccaaatttt accctgctga tgatatcaag aagccccttg 240
 tcaacaagca cacacccaaa cccgctaagc tca 273

<210> 14202
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964650H1

<400> 14202

caacctcgat gctcgccaat cctctctcct cgctctcctc aacctcgctg ttcgcaacga 60
 acgaaacaag gtcaaaatag tgacagatgg tgctatgcct cactgggtgg agctcctcaa 120
 gatgcaaaat agcgggtatac gagaattagc tacagctgca atcttgacac tctcagctgc 180

cacatccaac aagcccatta ttgctgcttc tggagccgga cctctccttg ttcaaattct 240
 caaatctgga agtgttcaag gaaaa 265

<210> 14203
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964651H1

<400> 14203

gaggacttcg acatgccgac ggcggaggca atgggagagg acttcgactt cgccggcgcc 60
 accggcgggc acctcgacgg cagcagcagc aaccccatct tgaaggctcg cgaggagaag 120
 gagattggaa aagaggggtt gaagaagaca ctacttaaag aagggtgaagg atgggacact 180
 cctgaagttg gtgacgaagt tcaagttcac tatactggga cgttgcttga tggcactaag 240
 tttgattcca gcagagatag gg 262

<210> 14204
 <211> 167
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964653H1

<400> 14204

ccataatcat ttagctatta agagaatatg tttttaatga ccaaattgtc ctcaacctca 60
 aatatacttc ctctcttca tactgcaaac acaaccaact tcttcaacca caaccacaac 120
 cactttgtgc attaaaaccc ccacccctct cagttccaca caacata 167

<210> 14205
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964654H1

<400> 14205

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 gatagactga aagccaagga aattgatctc tcagtaacag aaagatttag ggagaggggtg 120

gttgacgaag gatataatcc gagttatggg gctaggcctc taagaagagc tataatgcga 180
 cttttggagg acagcatggc tgagaagatg cttgctagag agattaaaga gggtgactca 240
 gttatagttg atgctgactc cga 263

<210> 14206
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964655H1
 <400> 14206

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 cttcactagc ctcttctgca ttctgtgcct ttcacaggag gccagtggat gttccattcg 120
 gcagaaacta cggtccctact tgggcttttg atcacatcaa atacttcaat ggaggttctg 180
 agattcaact tcatcttgac aagtacactg gtactggctt ccagtcctaaa gggtcatact 240
 tgtttggtca cttcagcatg aa 262

<210> 14207
 <211> 268
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 700964621H1
 <400> 14207

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 ccgnttcttc tctcggatt ccccgctaaa ctacgccgcc ccaccatgga actccaccat 120
 gataaccgca aacttgctgc tgaagtcgac ttcttctctc atactccgcc acccaacctc 180
 gtcaagaagg aacttgatca aacacctctt cacattaata ctgggtttaca actccttact 240
 gctaacacca ggagtgacca atctaccg 268

<210> 14208
 <211> 235
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964584H1

<400> 14208
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 gaagaaaaat ctgcacaatt gttgtaattg aacgatgtct gctgcggtgt gcggaagcaa 120
 gagatctttg ttcgaagagc ttcccccttc cccgccagta tccaagagge tccgctgttc 180
 ctctccccct attcgctctt ctctcccttc tctcatcgag caccttcgcc ctctc 235

<210> 14209
 <211> 234
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964586H1

<400> 14209
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 gtgttgggca cgggtctcaa ggagtgcatt ctacgcggtc ttctctccgt cgatggcctc 120
 aaggttctgc acatggacag gaatgactat tacggaggag aatccacttc gctcaatctt 180
 attcagcttt ggaagagatt caggggagat gacaagcctc ctccacattt ggga 234

<210> 14210
 <211> 222
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964587H1

<400> 14210
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 cgatctccgg caatctaact aaaacggcgg cgtatagcga gaactgcgag catggagcat 120
 gagaacgcga gcaagggggt cgaattagtg aacgagatag ccagcatctc cgagtacagg 180
 cctccgatta gaaatcagta ctgcaacttg gcgcggaggc tg 222

<210> 14211
 <211> 232
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964589H1

<400> 14211
 ctgttctcgc gatttcggaa gggtcgtgtt tccctgcttc agtttcagct tcggcttcga 60
 gaagcgtcga ttgggtcctt aagctgttcc ttctctgttt ctgacaaact gtataactcc 120
 tatcaaacat gagcggtcgc ttttctcgca caatttatgt cggcaacctg ccctctgata 180
 taagagagtc agaaattgaa gatctattct acaagtatgg ccgtataatg ga 232

<210> 14212
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964591H1

<400> 14212
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 ctagcacagc acctaattct aacccttttg cgcaaaagag ttcacctttt tcttctggat 120
 ttggaacttc ggctgctcct gccttcagtt catcagcttt tggttcttca acgtcagcag 180
 cagcaccttc tctttttggc tcacgcgcct ctccatttgg agctaactct tcttcaa 237

<210> 14213
 <211> 201
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964592H1

<400> 14213
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 ccttgagtcg ctcccgcact aggtgcacca gatctctgac ccgtcttttg gtcccaccct 120
 gctctgacta ggtgatcaag ctacgctcgg tccagcatca aaccggggtc cagtacagga 180
 cgctgttcag ggccttcgtc g 201

<210> 14214
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964593H1

<400> 14214

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 atttgaaagg aaaattcttg gggcggttcta tccagttaga tcctgtgggt gtcctcactc 120
 tacagtttga ggatggtgca acatttcagt ggagcaaggt caccacttcg atttacaata 180
 tcatactagg taaaatttat tgtgaccact acggtacat gcacatcaag ggcagtggca 240

<210> 14215

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700964595H1

<400> 14215

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 ctctgcttct tctcccccta ttgacctttg gtcatcacia gcgaaaaccc acttctggat 120
 cttctggtgt aaaggccatt agaagctcta gaaattttct aattgagttg gtgtatagt 180
 ttgaaggggg tgaaatctgg agcccagttt gttagttgtt actcacttca tctgtaagct 240
 cataggtt 248

<210> 14216

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700964596H1

<400> 14216

ctgcttcatt gcattattgc agataagatc aaccctactc ccttcagatt cgggccaaga 60
 tggcatcact tcatgctaata gtgacatcag ttgtttgcaa gaggggcaac catgcttctc 120
 aatcgaaatt tccaagctct tcattcttgc ctggggttga tgttggttgg cgtgcttcaa 180
 atgcttgga gaaagaactt gtcccatctt ccatttcctt ggtgcctaga gccacactaa 240
 catttgatcc c 251

<210> 14217

<211> 278

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700964601H1
 <400> 14217
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 ttgcttcgag cttcggcgga gatgttaggg aagggtagtt tagggacggt ttatagggcg 120
 gtgcttgatg atgggtgcac ggtggcgggtg aagaggctca aggatgcgaa cccttgcgcg 180
 aggcatgagt ttgagcagta catggatgtg attgggaagc ttaagcatcc taatgttgtg 240
 agactcaaag cttattacta tgccaaggag gaaaagct 278

<210> 14218
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964602H1
 <400> 14218
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 tgcataaata ccctgacact attttcgcag atccagcaaa tgatcccatt gtccctgtga 120
 ctgtggctcc aaaacattat ttattcaatt ctaaacaatcc agatatgaaa catatgcatg 180
 gtgaaaattg gaacaacact gtacttgtag atggtaatgc tggtgccaag ttccaagtag 240
 gaatagcaac gttccaagt 260

<210> 14219
 <211> 264
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964603H1
 <400> 14219
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 acccataata tggtcgaaaa caacaacca aggggtttttg gttcttctat gtttctatgt 120
 ttgcttgtgt tgatgatttg gaacaagatt gttgttggtg ttccacaagc cgaggctcga 180
 gcattttttg tttttggtga ttcgctagtt gacaatggca acaataacta cctattcacc 240

actgctcgtg ccgactcata tcct

264

<210> 14220
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 700964604H1

<400> 14220

caagaaccct aatcccaatc agccatgcag caaggagact acacctccgc tccatctcca 60
tattatcaat tccctcatct ccaaaacccc aatcccaatc ccaatcccaa tcccgatcca 120
cacccaaaca acccttacgc ttctgcacct cccttcaccc ccaattacgc tccctccgat 180
tacaccctt acccttccta ccctcaaaat cccgatcctt ctccaccac tgctccttcc 240
tttcctccct cttcttccaa ccctaattta ccc 273

<210> 14221
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 700964605H1

<400> 14221

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gactcgttgg tggctgagat tgagggtgaaa acctctgctg atcactttta cgacaccttg 120
aagggtgaaga aacagcatcg tattcatgat gttgcccctc atcatatcca taagggtggaa 180
gttcatgaag gtgagtggga taaatctggc aatatcaagg tgcttacatt cgctgatggg 240
gacactgttg agaccttaaa ggagagagtt 270

<210> 14222
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 700964606H1

<400> 14222

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gcgtgtggcg aacctggctc ggcgacgcc aactacgcaa cttegcaacc ttctctcttt 120
 ccccttccgc ctgggactcc ttacactcca cactcacat ccctctccaa ctgagagtcc 180
 gcgcccctct cttegacaaa gccaccgctt ccctctcccc aaacctaat ccctctctct 240
 ctatccaacg cctcaaccct agttacctcc aa 272

<210> 14223
 <211> 271
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964607H1
 <400> 14223

acggacttta gttccatccc cataattgat attagtcccc ttttggctaa ggcagatgat 60
 ccaaaaatgg ctgaggatcc tgggtgtgctt gaggttggtta aacaattgga taaggcttgt 120
 acagaggcag ggttcttcta cgtgaaagga catggttttc ctgagactct ccttaaagaa 180
 gttagagatg taacgcgcag attctttgaa ctttcatatg aagaaaaggc gaagatcaaa 240
 atgactccag ctgctggggtt cagaggttat c 271

<210> 14224
 <211> 268
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964610H1
 <400> 14224

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 tctgagaaac ctagacagta gacacggcag atgttgctct tggctctctc cacaaccacg 120
 gatattccaa aaccaggtta cctgtctttg tggcaatagg ttaacttcag tgttggtatg 180
 ccaaactctga caacgttcac tgaaatctgt gagtgaataa atgggttccta attttctcat 240
 tgcaagggtta actgcatcat tatcatcg 268

<210> 14225
 <211> 266
 <212> DNA
 <213> Glycine max

<210> 14228
 <211> 282
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964616H1

<400> 14228

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 gctctcgccg tttccactac ttcttctctt tcagcagctg ctgcagcttc tagctccttc 120
 ttctctcgtc tcggatcttc ctccgacgca aaagctcctc aaatcgggtc gtttcgggtt 180
 ccggagaggt cgcttggttc gtctgttggt gtcaatgtaa ctcaacgacg ctcttggtg 240
 aggccactca acgccgaacc gcaacggaac gattctattg tt 282

<210> 14229
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964618H1

<400> 14229

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 gtttcttctt tctctccttc ttctttttca gatctccgct gaggaatcct cggagaagga 120
 gttcgtactc acattggatc actctaactt tcacgacact gtcagcaagc acgatttcat 180
 cctcgtcgat tcctacgccc catgggtgtg tcaactgtaag aagcttgctc cggagtatga 240
 gaaagctgct tctatcttga gtagtcatg 269

<210> 14230
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964619H1

<400> 14230

gaggaattca tttgaattag gggtactctt tttcttcggt tcatcatgga cgctcagaga 60
 gctctactcg acgaactcat ggggtgcagcg cgcaacttga cggaggaaga gaggaagggg 120

tacaaggaag tgagttggga cgataaggaa gtgtgtggat tctacatggt gcgcttttgc 180
 cctcacgatac tctttgtcaa cacgcgcagt gatctcggac cttgccccag aatacatgac 240
 ccgaagttga aagaaagttt tgaga 265

<210> 14231
 <211> 264
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964620H1
 <400> 14231

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 tcctacacca tatatgatgg gactctattc ggggtgttgat acttctgctc tggcaattga 120
 tgggggttgtt gttgtggacc ttgagtataa tcgtatcact acctcagagg aaattcctcc 180
 tattcctgag ccagaattca gccttttgcg tggtagata atgaagctat tatatcccaa 240
 tgtaattgga attgatgaga tgaa 264

<210> 14232
 <211> 92
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 700964583H1
 <400> 14232

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 aatgaaaatc cacgtatttn gaagatccga cg 92

<210> 14233
 <211> 240
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964550H1
 <400> 14233

aaaaaacttg tcttttaagt tttaactcta agccatggct cttccctgt tctcctctg 60

cttcatgctc tgcatttcac tcacacacca aacgattctg ttacccctaa cacactcaat 120
 ttcgaaaacc catttcaaca gtaccacacca gcttctcaaa tctacctcca ctgctcagc 180
 ctcacgcttc caccgcaaaa ctcatcataa ctccgtagtc tctctccacac tttcttcagg 240

<210> 14234
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964551H1

<400> 14234

gcagcgcatt atagcacacc acacaaaaaa gcaaacacaga gagaacaact gttactcaca 60
 cagccatgg gtaaataaat ggtttttgag caacagcagt taaaagagaa aagggattca 120
 gcgaagatga catcggttgg tgtggcacca acttcgggtt tgagagaagc cagtgggcat 180
 ggagcagcag ctgcggatag attgccagag gagatgaacg atatgaaaat tagggatgat 240
 a 241

<210> 14235
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964555H1

<400> 14235

gtaagaagca atgaagttaa ttttgagaat ttatgcatga attttgtctt ggtgttactt 60
 aatcagagtt acatttgatt atatataagg taaaaattga aatattattt tgttgcagct 120
 tcttcgcaca aagtatagtt gcgccaatt atccaattgt actagtagaa ctgaaaggat 180
 tcttaaagaa agtgggaagtc aaggaatttt attgtacgac tttgtgattg tgagc 235

<210> 14236
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964556H1

<400> 14236

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atgctcggtg gaaaaagctg gaaagggacc tgtataacga acgcaaggag cgctttgaca 120
tcacccaaat tcctgatgtc tatgattcat gcaaatatga tctcttgcac aatgcccac 180
ttaatctaga aggattggat gagcttttca aggttgctca ggcacttgct gatgggtgt 238

<210> 14237
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 700964557H1

<400> 14237

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ctctctctct ctctctcttc acagtgccaa tggcggatcc aatcgcgag gttctgatcg 120
cgtttgcgct cttagcttcc ctcttgctgt gttegcacgc ttctccgac gttcccttca 180
tcgttgctca caagaaggcc tccctcaaca gactcaagtc cggcgccgaa agggctctcc 239

<210> 14238
<211> 235
<212> DNA
<213> Glycine max

<223> Clone ID: 700964558H1

<400> 14238

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aaggggagaa agagtagatt ataagggggt aagtgagaaa gagagtaaaa acaaaattaa 120
aacatgacta tggaagaggg cagggtcgag aacgaggact acacacaaga tgggtactgtc 180
aacattaaag ggaaacctat tcttagatcc aaaagtgggt gttggaaagc ttgct 235

<210> 14239
<211> 239
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<213> Glycine max

<223> Clone ID: 700964559H1

<400> 14239

[illegible]

<400> 14240

<400> 14241

<223> Clone ID: 700964563H1

<400> 14242

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aaattcacct cagctagaga gaattacctc acttgacaca gattctggca agattaaatg 120

tattctatgg tggccatctg gaagacatga taaattgatc agcatcaatg aggaaaacct 180

gtacttgtgg aatttagacg tttcacagaa aattgcactg gtacaatcgc aagattccgc 240

tggtatgc 248

<210> 14243

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700964565H1

<400> 14243

tgtttgagaa acaccaaagg cttcacccctc caagtcctta ccggttggtg gttcatggag 60

ttctcctcat tcatgatcat gtcagtgtca ggagcaagct acatgttttag tctttactca 120

agggatatca agtcagtttt ggggtatgac caatccaccc tcaatttctt aagcttcttc 180

aaagacttgg ggtccaacat aggcattcatt tcaggcctaa tcaacgaggt aacaccccct 240

tgggt 245

<210> 14244

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700964566H1

<400> 14244

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ggtggtgaag aaggaagagt ctctcaacct gaaagtcact aacaagagcc atgttcaatc 120

agaggagaaa attggaagaa aagagtacca attggtcact tttgatcttc cctacttggc 180

cttttactac aaccagaagc tcttgtttta caagggtgaa gatttcgagg gcatggtcca 240

aaa 243

<210> 14245

<211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964567H1

<400> 14245

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 cgagccacct ctcaagcagc aacaacccaaa acccgaaaat cccctcaag aatacgaaga 120
 agtcgaagag gaagttgagg aacaagaggt agaggaagag gtcgaagagg aagaagaagt 180
 agaagaggtg gacgaagaag aacatgacga ggtagaagaa gaggaagaag atgacgacgt 240

<210> 14246
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964568H1

<400> 14246

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 aaatgatcat gtagatggat atgtaagaga gaaggacatg gaaaaggcac ttgaacacca 120
 ggcccaactt attgaccaat atgaagcaat ggagaaggct caaagagact gggaggagaa 180
 atttagagag aataacagca caacaccaga ttcgtgtgat ccggggaatc tctcaga 237

<210> 14247
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964570H1

<400> 14247

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 ctggccgttg aaaatgacgc ttctctcacc caacacgaca agaccgaaa acgtcaatag 120
 cttttgactg gataggctcc cgcatacgac gacgacgacg acgaacaaga gaataaatca 180
 tccttatcgg atattctctc cagatctctc aactgatcca tctgtatcca gttac 235

<210> 14248

<211> 234
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964571H1

<400> 14248

tgtttataaa ggagttccaa aggattacac cggcgaagat gttactgttg ataacttttt 60
 tgctgcttta cttggaaata agtcagcact gactgggtggc agtgggaagg ttgtggacag 120
 tggctctgat gatcatatat ttgtatacta tactgaccat ggaggtcctg ggggtgctcgg 180
 gatgcctgct ggtccttact tatacgcgga tgatctgatt gaagtcttga agaa 234

<210> 14249
 <211> 225
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964572H1

<400> 14249

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 gattcagatt gcgataacac ttcacgcgac ctacctagga ggctcgtctc ctcgatgttc 180
 tctgcgctac agcggcgta cgttcggaga acgtcgtgat acact 225

<210> 14250
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964573H1

<400> 14250

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 cgcagaacct ctctcgaaga aaaccttctt cttcttcgtc ttcgtcttct caacaaacac 120
 ccgggtcgac ccggatcggt taccgagaat ctcggatccc atcggaatcc gatttcccga 180
 tctggcagca gaactggttc atcgattgc tcttcgtcat ggctctcgga ttcttc 236

<210> 14251

<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700964574H1

<400> 14251

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caaaggctac ctgcgtactct tcttcctatg gttcatatca accattctga tacgttccat 120
cttcaagaaa ccacagcgtc taagactccc accgggtcct ccaatttcaa tacccttgct 180
gggacacgcg ccatactctcc gttcactgct ccaccaagca ttgtacaagc tatcactg 238

<210> 14252
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 700964575H1

<400> 14252

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cctatgttgc tgagttctct gacctgggtcc tgcattggtg tgcagttgat cccattgagc 120
atgtggccaa gtgtgacagt gccctaggtt ctgaagaagt tccctctggt gtcacccaag 180
tacaaataac caaaatgaga aacttcaggt tgaggcacat gacatattct tactgct 237

<210> 14253
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700964576H1

<400> 14253

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ggtgggcaag ttggttatgg tggttgctat gggggtgctc agtctcgaca agcccaacag 120
cagtaatttt ggtagatgaa tctcttgctg gatcttaaac ttcaacttga ggatccctgg 180
cttttaaaag tcttaaatca tgaggtcaca atgaattctt ccagcagcaa tggagtgg 238

<210> 14254

<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700964577H1

<400> 14254

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cgaacgaatc gacgatgaag acaaccttct gatccgtcaa gtggtgccgg acgcggagga 120
ccaccacctg ctcaacgcgg agcaccactt ctccgccttc aagacaaagt tgcgcaagac 180
ctacgccacg caggaggagc acgaccaccg cttccgtatc ttcaagaaca acttgctccg 240
cg 242

<210> 14255
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700964578H1

<400> 14255

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tttacagttt ctgatgctga agaaataaaa aagcttgaag gcttttgctc ttctgtgtga 120
aaaatggttg aaagtgggtgc gaaattccca ggaataatag atctcaacag aaataataac 180
aactactatg atttctctca aggcttttac cataagcttg gggagggtac caatatgtca 240
attg 244

<210> 14256
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700964580H1

<400> 14256

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cctgtttctg cgtttcaact tcttcctttc aggagcaatt tgcagccgag ccaggaaagc 120
gaggagcatt attctgaatc gaagattaaa gaggttaagg atgcaatcga gcccttatct 180

ttttgacctg agttaatgat cattaatgct gttttgaaat tctacttttc cattactttt 60
 cttgattagt tattcctctt tatgcagctt ctttactcct tgggatgaat gatgttagat 120
 ctgacagggc aagaaggcaa agatcagata gccctttctc ctttcctcgc caaaaacggt 180
 cagtaaggcc ccgcttgtag ctttccattg attcagattc agagtaaagg tcatacc 237

<210> 14260
 <211> 156
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964510H1

<400> 14260

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 tcacttcaag ggcaagtacc atgatgagct tatcgccaat gctgcgtaca ttggcactcc 120
 tggaaagggg attcttgctg ctgatgacgt caacag 156

<210> 14261
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964511H1

<400> 14261

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 ctataagggt ttgggtacaa gtactcctca ggaagggaga gagtactttc aagatcttga 120
 taagcataag aaagactttg tttgggatga tgagcaagat ggaggtgcaa ttgagatggc 180
 attcagtaag aaaaaagctg aggataggaa gatctggatt cgtaattttg agcctggcac 240

<210> 14262
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964512H1

<400> 14262

gagctaaact catatgtggc attgagaaaa acgtacatga ataccattgg aaataaaaaa 60

cttgaacttt ttgacaatgg agcaggagca agtgtatcta cagctgaaga aaatgttcaa 120
 ctggcatcag aaatgtcaaa tcaagaactt atcaatgctg ggacgaagac aatggatgaa 180
 actgatcagg ctattgagag atctaagcag gttgtacatc aaacaattga agttggcacc 240
 ca 242

<210> 14263
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964515H1

<400> 14263

catatataaa ~~cttgaacttt~~ cgcacgtagc tagctacaga agacaaaggg gccttgagtc 60
 tcgagatctt gtcagatcgg aacgcaaccg ccaccgagtc cgttttgttt gtgggtgtcg 120
 tgcgcgagat taattcattg gcgtcaactta gcttgggcca caagatgctt tcaagcgtaa 180
 tgggaagggg agttactggc atacagggtta tggaaaagaa gccaaatggt gccataggg 239

<210> 14264
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964517H1

<400> 14264

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 gtaacgagcc agaaagattg atgccatgga gaaataatga caagccagca gaaagttttc 120
 aacctcgtgg caccgataat ggggtcaagtc catcaccaac aattcctggg agtaccaga 180
 atgtagaatc tggcttgagc acagcaacta cctccaagac aatggatcat caggctggaa 240
 aaatgaaca 249

<210> 14265
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964518H1

<400> 14265
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atgcttcagt acgcgcttct gcacctcgct gggttcgata gcgtaagga agaggatttg 120
aggggaatttc gccaatgggg gagcagaact ccgggacacc ctgagaattt tgagactccg 180
ggaattgaag ttacaacagg tcctcttggt caggggattg ccaatgctgt tggtttggcc 240
cttg 244

<210> 14266
<211> 149
<212> DNA
<213> Glycine max

<223> Clone ID: 700964520H1

<400> 14266
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ttgctttcgt ctgcttccat cgtgctaaca tagggttgct tctcttctct ctgtactctg 120
gtcgagcctg tcggcatgtc gagcgctgg 149

<210> 14267
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700964521H1

<400> 14267
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agaagagtga tggtgagta cgacctaaact ccgcggatgg cgccgaatct cgacaggcac 120
cttgtgttcc ctctctgga gttctgcag gagcggcagc tctacgacga cgaccacatc 180
ctgaaggcga agatcgacct tctcaacaac accaacaatgg ttgactacgc tatggacatc 240

<210> 14268
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 700964523H1

<400> 14268
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 ctgatcgagt gagtatcaga atcaattcaa ttttgagcta gtcatagaaga tccactgcga 120
 cgtgtgtaac aagcaccagg cctctttctt ctgcaccgcc gacgaagctg ccctatgcga 180
 cggctgcgac caccgcgtcc accacgcca caagctcgcc tccaaacacc aacgcttct 239

<210> 14269
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964524H1

<400> 14269
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 cgccttgcat gtgctaacat cattagtcaa gtctacgac cagagagaca gatattggaa 120
 tcggcgataa aatggccggt taatgtgttg aagggtggca aggaagcagt cgtagagcgc 180
 gtctgtatcg acttcacga ttacgtcgat tataccacgt cctaattggc cagctgataa 240
 ga 242

<210> 14270
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964525H1

<400> 14270
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 gcaatttcct tgcactcgtt gccattttat tcccagttat cggaaagctt ccttatgggc 180
 aaaccttttt taaacgtgca accggtcgtt gctcagatgg acgactaatg attgatttta 240
 t 241

<210> 14271
 <211> 239
 <212> DNA

<213> Glycine max
 <223> Clone ID: 700964526H1
 <400> 14271
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 ttctcgtgtc gttcgaagtg tttcagaatg ttttatcaaa ccgttgggcc aagctacaga 120
 gtcacaccta atatgtcatt taacaccatg ggatattgct atgatgtctt tgcactacat 180
 ccagaaagggt ctactcttca agaagcctgc aacacttggt gatccacaag atttcatgg 239

<210> 14272
 <211> 240
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964527H1
 <400> 14272
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 tacgccgtcg ttttgcgtc gaggtcgtcg ctttgtctga caaggtggag ggggttcgag 120
 tccggatctg acgaaaacga cgtcgtgggc atcggcgggc gtcccgcgcg ctacgtggcg 180
 gccattaaag cggcgactg ggtctgaaaa ccacttgcac cgggaaacgt ggcactctcg 240

<210> 14273
 <211> 243
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964528H1
 <400> 14273
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 cagtgtcttc gatctccatc tgcaacttcc ttgtctgaca gatcctgtgt tccggagaaa 120
 ggaaaggaaa ggaaagatgt cggggcaaac gcagcgtctg aacgtgggtcc ccaccgtgac 180
 gatgctggga gtggtgaagg cccgattggt cggcgccacg cgcgccacg cctacctgaa 240
 gaa 243

<210> 14274

<211> 236
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700964529H1

 <400> 14274

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 gaaataacaa gggaggaaat ccaaactgcc atagccaaag cagtggaatt aagggccctt 120
 catactgcat taacacaagg aagtagtcca ggcacaaaca atgctagatt tccgtcacct 180
 tccccggctt ctcacttctc tgcccaagac taccctgttt tcacagcaag ttatga 236

<210> 14275
 <211> 244
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700964530H1

 <400> 14275

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 tattacaaag aagaagaaat gctcgattaa ctcgtaaatc acattctttt ttaaaatttt 120
 tcatgaaaag gatatacaga gatatatctc tatatatcag ttgtattccg aggatcaata 180
 tacaactttt tcttgaatta acaaaaaatt tttaaataaa tccatttacg ataatgaagc 240
 aaat 244

<210> 14276
 <211> 245
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700964531H1

 <400> 14276

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 tgaggccctc cgtgaagcgc ctcgatgtgt atcagcaggg ctgcttcgcc ggcgggaccg 120
 tactccgcct cgccaaggac ctcgccgaga acaacaaggg tgcgagggtg ctcgttgtct 180
 gctccgagat aaccgccgtg acgttcgcgc gccctcggga cagcacctc gactcgctcg 240

tgga

245

<210> 14277
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700964533H1

<400> 14277

gcatattgaa gagcaaggaa gaaagtggag aagataaggg tctaaattgg gaagatgcaa 60
aaaagatgcc aataacttca agggtcattc aggagactct aagagttgct tcaattttgt 120
cttttacttt cagagaagca gtagaggatg ttgaatacca agggatatctt attccaaaag 180
gggtggaaagt gctacctcta ttttaggaaca tacaccacag tccagacaac ttcaaggagc 240
cagaaa 246

<210> 14278
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 700964534H1

<400> 14278

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ttgtttgcaa aacatgtttt cttttttgtt tacctgagtg aaggaagaca tagacatacc 120
tagttgttat tgctgttttt tgttgttatt gttattgaat ttagatggag ccttcactcc 180
tactttcttc accttcatca tccaccctt taccgtctt cctctcaaac acactt 236

<210> 14279
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700964536H1

<400> 14279

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aggaaatggt tcacatcagt attgtgggtca ttggccatgt cgactctggg acatccacta 120

ccactgggtca cctgatttac aagcttgcag gcattgacaa gcgcgttatt gagagggttg 180
acaaggtagc tgctgagatg agcatgaggt ctttcaagta tgctgggtg ctggacaa 238

<210> 14280
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700964537H1

<400> 14280

ttctgaattg cactgacccg agtcccatg ctttgttag agataacaaa tgcgcaacta 60
tccttcggtt attcactgac aatcccaatg ccacaccatc atgctaattg aggagggtct 120
tggatttctt tccgcagcct tagaattaga aacttgaatg tcattaaggc tgtagccacc 180
ttggatgcta aacctcgctt ggatttggat gcacctcacc cgcctggctt tttgctcg 238

<210> 14281
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700964538H1

<400> 14281

attgcgcttc acaaattctc agtctacgac ttgggtgttg gatttcatta agttgtgata 60
aacatgggaa aagactcaaa gccaaaggag tcgggaggca agggaaaggg gaaacaggct 120
gcaagtggaa gtgatgagaa tgcttctaag ggaaaaggaa aaggtgggaa aggtggagat 180
gggcttggtt cttgcaccta tgtcaaagct aggcataatc tatgtgagaa acaaggta 238

<210> 14282
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 700964539H1

<400> 14282

aaaaaaaaa aacagaacaa cacagaaact caaaacaaa ataaaattat tatggatcac 60
attcataggt tacgttggtt tgggacaata cccaaaattc cttttctatt gctactttcc 120

ctgctttctct tcagtttcgt taacgcatcc ttcgacctcg ctactatacc cttcaacgac 180
ggctattctc cgctcttcgg agctagcaac gttgttcgct ccgaggatgg atacgg 236

<210> 14283
<211> 229
<212> DNA
<213> Glycine max

<223> Clone ID: 700964542H1

<400> 14283

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cttggaaattt gtagtgcaga ggtgctgcct ttacactac cagggtttgt ggattgtagt 120
gtctgcgggtt atgcgctgcg ggttctgcga ctagtgttaa cgatgatcgt cactgcgctc 180
atcactgcga tacttgcggg actttgcatt ggcccaatca acggcaggc 229

<210> 14284
<211> 203
<212> DNA
<213> Glycine max

<223> Clone ID: 700964545H1

<400> 14284

gagctattgt agtatgtaca aataactatt gttaattgta atgcatgaag aaactgaatt 60
cacttaatag cttgtagatt tcaaaggcta ttcatatct gtatattatg ctatatctat 120
acaggtatgc aacatactct gcaatgcatt atagtgtcag actggaattt cagcaagtat 180
ttactcacia aacgatctcg tta 203

<210> 14285
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700964546H1

<400> 14285

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gacgaacgcc cttctgcgaa aaggtggctt cctctcgaag ctaaccctga cgtcatgaac 120

cagttccttt ggggtcttgg ccttccagtg gatgaggcag agtgcggtga tgtgtttggc 180
 ttagatgaag agcttctgga aatgggtccc aagccagttc tcgccgtgct ttttctttat 240
 cca 243

<210> 14286
 <211> 239
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964509H1
 <400> 14286

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 aattcaaaaa cagacaatca aattaattgt attaacatcc aggtagagag cggataataa 120
 ctatctgcaa taaatttttag aatccttaca ttttgtgcag cttgggtatga taactgttcg 180
 tactaaacta ctaattatca tcatcctttt gttttactct tttcattttg ttccgtgag 239

<210> 14287
 <211> 247
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964467H1
 <400> 14287

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 tatcattcac aatacagtag tgctagtga tcaggttgga ctcattatct ggaccaatcc 120
 tctcttcctg aaaattacta ccagaggaga ggtggtgttg tggagtgtga tgaaggaaaa 180
 ggagcaagaa tggaagagta ctctgaggaa gatttgtcca tgggtctctga tgcttcttct 240
 ggacctc 247

<210> 14288
 <211> 239
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700964468H1
 <400> 14288

cagatcgcca	atgccgaacg	caggattgat	ttgacttctc	acattattaa	ggcgggtactt	60
gacattgaag	gttgaaaatt	tggggacatc	tcctgcttca	gaagtacata	ttgccttttc	120
gccactgaa	gtaggacatc	tagcaataat	caaagctgct	gcaacttctg	ggaagagggga	180
gaaggaaact	tatggtcctc	tagatgtcag	atctgctgag	ctacctgatg	gaccaaattg	239

<223> Clone ID: 700964473H1

<400> 14291

cttgtgcaat ttggccacta tgaacacagg gcttgctgca ggtgcagcct tgcttgcaact 60
 cttggctatc accttctcct tgttgagccc tcaaaccctg ttttctccgc ctgagattcc 120
 gggctcgaag gaccaccttc acgctgctcg gttactccat gtcaccggag ccgctggggcc 180
 ggagagtctt gtcttcgacg ctgacggcgg agggccctac accggcgtcg ccgatggccg 240

<210> 14292

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700964474H1

<400> 14292

atacgttttc ctcaactctc tgtatcccat tcctctgcca tatcctgaaa tacgtttttca 60
 caacactcac ctttgccata tacagaacaa tcataaattt tctgaaatga gccagcgtgt 120
 cccaactgc gatgtggacg acaataacaa cattcccaca accacaaaaa tccctcttct 180
 tccaatttc aatttcatat cccatgaagt tcctatgttg ggctaccaag ctgct 235

<210> 14293

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700964477H1

<400> 14293

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 accaaatggg agaggaaaaa gagcagccta agaataaaac cgagaagaag cccgaggagg 120
 ccgccgcagc cccaagaaa gacgacggac ccatccctgt cgtttacaaa ctgcacttgc 180
 attgagggg atgctgaag aagatcaaac gcacatgtcg ccacttccaa ggtgtggaaa 240

<210> 14294

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700964479H1

<400> 14294

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agtgcctctt acttgttcct ctgcgaatgt gacaaacacc aaccaacgag gattcgaaat 120
cacagaggca aaggaagatc tcacaatgtt caatgttata ggtatctcga tgttgacgat 180
ggattcggtg gcgtacaggg gattgctcta cacattcttc atactcaatt ttgtattggt 240
ctg 243

<210> 14295

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700964480H1

<400> 14295

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aatttgctt taaatataag agaaatgata gtcacgtgt aactgttaaa tgcaaggcag 120
aaggttgtcc ttggagaata catgcatcaa ggctgtcaac tactcagttg atatgtatca 180
agaaaatgaa ttcaactcat aactgtgaag gggcttttgc aacaacaggg catcaagcaa 240
ctaggag 247

<210> 14296

<211> 243

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700964481H1

<400> 14296

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atctgctttt cctatcggcc tcagcagacg acgtcgttgt gctctctgaa gataacttcg 120
aggaggaagt tggtcaggac agaggagctc tcgttgagtt ctatgctcct tgggtgtggac 180
actgcaaaaa gcttgctcca gaatatgaaa agcttggtag cagcttcaag aaagccanat 240

ctg

243

<210> 14297
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700964483H1

<400> 14297

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ctgaagaacg tcgcacgcac cacccttctc tctcttcaac aactcagctc tcagaacaga 120
tacagtttcc actgagtaaa tcgcaatgca ggtaactgag acgaggactg ttcaagttaa 180
gcagctttca gatctagctg gtgtgagaga gattcacgag ttcttctcct tttctggaga 240
aatcg 245

<210> 14298
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700964484H1

<400> 14298

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gaattttaat acttaggaag tttagttttc tctcttggtt tctccggttg gagtttccgg 120
cgacctgtgc ggagattttg ttgtttatct ttacaccac ttgtgaaact tctcaagaaa 180
aagaaaaagg atgtttcttg ttgattggtt ctatggaatt ttggcgaccc ttggcctgtg 240
g 241

<210> 14299
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700964485H1

<400> 14299

ccaactaacc aaaccagcta tggcggcgat gcagaggcca ctcaagagaa ccattgcaat 60

cgccaagcta cgcgcgtgct tttcctctct cgcacccgcc gccgccgccg acatcgtcgt 120
ctctctctcg cgcgagctcc cgcggttcga tcaccagccg cacccttaca acggtccttt 180
cgcgatgaa gtctctcgcca agcgcaaaac gttcctcggc cttccgtct tccactacta 240
taa 243

<210> 14300
<211> 239
<212> DNA
<213> Glycine max
<223> Clone ID: 700964487H1
<400> 14300

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tgaggttcga gtggtggcgc cggcgaccg ctccaccgga aaatcgagcc tgatagccgc 120
catagcgacg gagtcattcg cggaggcgt tccgccggtc cttccgcccc ccctcctggc 180
ccctgatttg taccocgaca cgttcctct caccgtcgtt gacacacctt ccagcttgg 239

<210> 14301
<211> 66
<212> DNA
<213> Glycine max
<223> Clone ID: 700964489H1
<400> 14301

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ccagtt 66

<210> 14302
<211> 179
<212> DNA
<213> Glycine max
<223> Clone ID: 700964491H1
<400> 14302

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gtgcatttgt tccattccaa tttcgaactt cccatgtaca atatccacct agcatagcta 120

taacatacac atcatttatg catcagcaac atcattcaca tatctatata caagatcga 179

<210> 14303
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964492H1

<400> 14303

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 ctccgattac cgcacaacac cgtatcgccg ttcaggggtt cttcgctcct ctttggtatct 120
 tcttcccttc gcgtcggtcg ctttgattcg ttaatttttt ttcttgcttc tctgtgtctg 180
 gctcgagatc cgggccaagc acagaagaat ccgattctga tttgcatttc gtactcact 239

<210> 14304
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964493H1

<400> 14304

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 cacgtaacag cctcaacctc aacctccaaa ctacttcat ttttgccgc aaaaaaccca 120
 aatcaccttc tcaacgatgc aagtttcatc ctcatggttc ggaacaatag tactttccaa 180
 ccgctactca cgcaaccgct ccttccctct ggaaccgtgt tccaccacaa ccacatcatc 240
 gg 242

<210> 14305
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964494H1

<400> 14305

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 tgatggaact tatgttattc ttaccattc cgtgtttcac aagaagtgcc ctccccagaa 120

aggctatgtg cgtgcttgtc ttaaaagtgg agcgtatggt atatcaccag tgaacaaagg 180
aaagcaatca gttgtaaagc atatgcttgc tattgattgg aaatgctgga gatcatatct 240
taa 243

<210> 14306
<211> 247
<212> DNA
<213> Glycine max
<223> Clone ID: 700964496H1
<400> 14306

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ggttgggtgt gtgctttcct tttggagctt tattgttctg tggaggtaat tgatgcaagt 120
gctggtgatg ctgatccgcg ctataggggt tgtataacac agtgtcagga aactggatgc 180
gttgcgcaaa gatgctttcc aaactgtaa ttttcttctg atggagaatt tattgatcgc 240
ccatggt 247

<210> 14307
<211> 253
<212> DNA
<213> Glycine max
<223> Clone ID: 700964501H1
<400> 14307

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tttgccctc atgcactacc attaacatta cctctctttt ttttctccc tcacgaacct 120
tcatttcttc tcccgccatg gatccttgcc ctttcgtgag gctcacagtc ggcaacctcg 180
ccctcaaaat tcccgttgct tctaaacccg cgctctccgt tggttcacct tcttcttctc 240
cttgtttctg caa 253

<210> 14308
<211> 243
<212> DNA
<213> Glycine max
<223> Clone ID: 700964503H1

<400> 14308
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 taatgaatgc tgtgattgca gaggctgatg ctgggggttc tccttcactt gtagctcgag 120
 gcctctcccc tgctcaagct actgtgggat ctgaacaaat tcagatacaa gttccaaatg 180
 aaaaggttgg attaatacata gggagcagtg gggagacaat taaaagcctg cagaccaaatt 240
 ccg 243

<210> 14309
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964504H1

<400> 14309
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 ggattgagtg gggggcgtga aaaatggctg ccaggagtga tcaccaaacg gttcctcttt 120
 cagttctcct gaggcgtgaa ttggcgaacg agaaaattga gaaacctgag attgctcatg 180
 gtcaagcatg ccagagcaag aaaggggagg atttaacact gctcaagacg gaatgccaga 240
 g 241

<210> 14310
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964505H1

<400> 14310
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 gcatgttgat tgagctcggt gtcattgtacc ctatccagaa gaggtcttac agagatggta 120
 ttgacaactt gttggtgctt ctcatggag gaatcccaat tgccatgcca actgtgctgt 180
 ctgttaccat ggctattggg tctcaccgct tgtcccaaca aggagccatc acgaagagg 239

<210> 14311
 <211> 239
 <212> DNA

<213> Glycine max

<223> Clone ID: 700964507H1

<400> 14311

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attgcttctt ctttttttcc tttcatttta tacggcatac agcaccagac tttccttcat 120
gggcatggca atttttccat aaaaattcgt tttttatttc ctctcttttt ttaatttttt 180
atttgggtct tttcgatcac tttgattgaa agaccttttt cttcttggtt agtttttgt 239

<210> 14312

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700964465H1

<400> 14312

aactgacaat ttgtcaccat actttaactt tactacttac ttgcccaatt aactatgtca 60
tcgtcatatg ccaaaaagct tcccacttta aagttaacca taaagaataa ctctctgtga 120
aagaaaaaaa gcagcaacca aattgatctt cggctctgggc tgcaattgaa atgctgaagc 180
tctacgaggc ttataagtga acccttggtc gttcatgaca tacaggcaat tcagaatttg 240
tcgctacttg ctaa 254

<210> 14313

<211> 217

<212> DNA

<213> Glycine max

<223> Clone ID: 700964508H1

<400> 14313

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caggagagag agaaaactat gatatttaac acattgcagt ttgatagaag gtggattgaa 120
gaatatacac cttaattgat ttttctctct cctgtaatta agttactgtt gaagttgaaa 180
tgctgataag gatgtgcaat tcacattttt gtacaat 217

<210> 14314

<211> 253
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700964434H1

 <400> 14314

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 ggaaagagat tgtttggtg tgagttagta tagctggaaa aggcgagggc cctgctatcg 120
 gaatcgattt gggaacgacg tactcttgcg tcggcgtgtg gcaacacgat cgtggtgaaa 180
 tcatagccaa cgatcagggc aacagaacta cccatccta cgtggctttc accgacacag 240
 agaggttgat cgg 253

<210> 14315
 <211> 251
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700964435H1

 <400> 14315

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 gatgaaaaac acaaggaaga tgatcaagag gaggggaagg gtggattcat tgagaagggtg 180
 aaggatttca ttcattgacat tggtagaag attgaggaag ctattggggtt tgggaagcca 240
 actgctgacg t 251

<210> 14316
 <211> 249
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700964437H1

 <400> 14316

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 accacctcca ccatcttcac cgtcatattc ctctccttg caatattatt cactctcaca 120
 cccactagg ccaactgtgc cacgtgtcac cctgaggaag aagcgggcct gttgggcttc 180

aaatccggta tccgatccga cccgtccggc ctgctcagta actggatata gggtagcgac 240
tgctgcaca 249

<210> 14317
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700964438H1

<400> 14317

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atcatttcat gcagtatgct gaccaaataa tgggtttatt tttgagagtg tttgcttctc 180
gaagtgaac agctcatgag gaggttatgc ttgccattgg agctttggcc tatgcaactg 240
gtgct 245

<210> 14318
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700964440H1

<400> 14318

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tcccagtttc aaaccctaata tccctcattc ccatggcctc agaagagccc actgtcgcg 120
tggaacccgc tcccgaacct gccaccgccc agcctcccc ggaggagaag gaggagccca 180
aacctgaagc caaggctaag aaaaccaagg aacccaaacc taaaaagggt tccagaccac 240
gcaacc 247

<210> 14319
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700964441H1

<400> 14319

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 gaagatgtca ccgacgaact caatttccat gttcatttgt cattagaaaa ctccacaagg 180
 aggggaactaa ggcaaaggaa gggtagatca ggaaaaaaat gtgttgccag caaccctatt 240
 gacact 246

<210> 14320
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964442H1

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 gctccattgt ccgattcgaa agcttcggcg gaggcgaacg taatagtggg cccgagctac 180
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 tt 242

<210> 14321
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964443H1

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 actgcttgga gacaaaatga ttgtacaaca aacaagaact gcacgatact ttgcatgaat 180
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<210> 14322
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964444H1

<400> 14322

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acttccttac cagcaacgag atacacaacg gagagcgcg aaacgatcat ggagggaata 120
aacacaacca tccagtaata atcagcaatc tcttggtccg taagataaaa agcgccaggg 180
aacagatccg aatcgggacc acctttcata cctaactgta tggattgaag ccttcgatcg 240
acgc 244

<210> 14323

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700964445H1

<400> 14323

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cgtggcattc agcacctgt tcgcggtactc tttctcagaa gttaccttcc tcaagttagc 180
agggacaaat tgccagatat tgggttcagag tacgaagggg atgcagatac tgtagcagat 240
gctgta 246

<210> 14324

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700964446H1

<400> 14324

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atccccagcc tgggtggaaga tcagcatcac tctcctcctt caaaagaagg acatttgata 180
tgcctgatgg agtcacccgg aaggaaattg aagaaggggt tgcacagggt gtgcaaattgc 240
ttgaag 246

<210> 14325
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964449H1

<400> 14325

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 gcaccacgtc ctttgcttat tgtaaatggt aagacccttg tatatattgt acattaaaca 180
 ttttcaaaat gaatcaggct atcttattca tatacaacgg catatattga caattcaggt 240
 aaccactctg ct 252

<210> 14326
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964450H1

<400> 14326

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 ccagtcgggg gattcattgg tgttccagtt ctcaggacat gggtgtcagg aactggatac 180
 gaatggggat ttcgatgagc ttgatgagcg tgacgaagca atatgtccgg ttgattggga 240
 aaagcagg 248

<210> 14327
 <211> 250
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<223> Clone ID: 700964451H1

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agaatctact tgaaagaatt tcacatgaca cagatatcaa aggagtgtta acagctatca 180
 atttgtctgg aaaagagcag ataatttcag ctgtcgaaat attccagaat gcatttttgg 240
 ctcattgctt 250

<210> 14328
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964453H1

<400> 14328

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 tcctatcccc gaacccgaca aaacctgaca ttgctccgga tcccggagac agccgcaggt 180
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 gcctcct 247

<210> 14329
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 <212> DNA
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<223> Clone ID: 700964454H1

<400> 14329

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 attgacaaag ccgaagttct ctctgccgtt cagaagtatg agaagtatca tgtttgctat 180
 ggaggtcaag aggcagagag aaaagctaata tataccgata tggttaataa atactatgat 240
 cttgttac 248

<210> 14330
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700964455H1